

# SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 24th Year  
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Kenneth A. Ebner  
822 Wauona Trail  
Portage, WI 53901

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## FCC Docket Proposes New Band for Packet Backbone, Other Point-to-Point Links

In response to a request by the American Radio Relay League (ARRL), the Federal Communications Commission has proposed in ET Docket 93-40 to establish a secondary allocation for the Amateur Service in the 219-220 MHz band to be used for amateur auxiliary station (point-to-point) packet backbone and other amateur point-to-point fixed communications. The Commission also proposed operating limits and other measures to ensure that such amateur operations do not cause interference to primary operations in and adjacent to the 219-220 MHz band.

The FCC noted that these systems can be used in times of emergency when other communications facilities are out of service or overloaded to efficiently carry a large volume of messages, and that amateurs plan to use wideband backbone packet radio networks to provide intercity links of their local packet radio systems.

In its petition, ARRL asked the Commission to authorize access by amateurs on a secondary basis to the 216-220 MHz band for amateur wideband packet networks and other point-to-point fixed communications services. ARRL argued that crowded conditions on the existing bands, particularly in

urban areas, prevented completion of a nationwide backbone packet network following the loss of access to the 220-222 MHz band.

The Commission is proposing to authorize amateur wideband packet point-to-point communications and other point-to-point fixed communications on a secondary basis in the 219-220 MHz band. The Commission said it believes this will foster technological experimentation and innovation, particularly with higher data rates, and facilitate the construction of a nationwide packet data backbone network. The Commission expects that this action will relieve congestion in the 222-225 MHz band in certain geographic areas. The Commission said the amateurs' ability to perform interference analysis, the directional nature of the proposed services, and the secondary status of this proposed allocation should adequately protect all primary and existing secondary operations in and adjacent to the 219-220 MHz band.

The comment deadline will be announced later, when the complete text of the Notice of Proposed Rule Making is available.

- ARRL Bulletin ARLB014, 3/5/93

FCC Proposes Changes in  
Responsibility for Packet  
Originations, Autoforwarding

See The Wisconsin Packeteer on Page 14

## ARRL Responds to 222 MHz Weak-Signal, Novice Proposal

On February 23, 1993, the League filed comments in FCC PR Docket 92-289, dealing with a proposed 222-MHz weak-signal subband, and with Novice Class licensee privileges. The League, in its comments, opposed repeater control operator privileges for Novices on the grounds that such would extend Novice privileges beyond the intent of the license, and noted that the Technician Class, also an "entry level" license, provides such privileges.

Please turn to page 13

## All-Ham Crew to Fly on Shuttle Mission STS-56



For only the second time, a NASA shuttle mission will carry an all-ham radio operator crew. STS-56 will fly a high-inclination orbit, and will carry the Atlas-2 experiment. The crew is, left to right: Kenneth D. Cockrell, KB5AUH; Steven S. Oswald, KB5YSR; C. Michael Foale, KB5UAC; Kenneth D. Cameron, KB5AWP; and Ellen Ochoa, KB5TZZ. Cameron is mission commander, Oswald is the pilot, and the others are mission specialists. This flight will carry SAREX (Shuttle Amateur Radio Experiment). STS-55, also to carry SAREX, has been delayed at least three weeks, following an aborted launch on March 22. A photo of that crew is on page 13 of this issue.

- NASA photo

## ELMER

I CAN'T PLAY THE  
SAXOPHONE LIKE  
BILL CLINTON



OR CLARINET LIKE  
BENNY GOODMAN.



Badger State Smoke Signals

OR COMPUTE LIKE  
BILL GATES. IT'S  
THAT CARTOONIST,



HE ONLY GAVE ME  
EIGHT FINGERS!



Vrah Remah Does it Again!



Check it out on page 6

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# What's Happening

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Edited by Kenneth A. Ebner, K9EN • 822 Wauona Trail • Portage, WI 53901

## Swapfests and Other Social Events

**SATURDAY, APRIL 3, 1993.** The Rochester ARC will sponsor the 16th annual Rochester Area Hamfest at the John Adams Junior High School, 1525 31st St. N.W., Rochester, MN. Contact RARC, ATIN N9VB, 6982 Indigo Court N.W. Rochester, MN 55901. (507) 280-7751. (Enter 1 # and follow instructions.)

**SUNDAY, APRIL 4, 1993.** Madison, WI Swapfest, sponsored by MARA. Contact MARA, PO Box 8890-8890. Madison, WI 53708-8890. (608) 249-7579. See last month's BSSS for flyer, and see ad back page.

**SUNDAY, APRIL 18, 1993.** Rockford Hamfest and Computer Show. Held at the Rockford Metro Center. Contact RARA, PO Box 6931, Rockford, IL 61125. ((815) 399-6995.

**SATURDAY, MAY 1, 1993.** Cedarburg, WI Swapfest. Held at the Circle B Recreation Center, intersection of Highway 60 and County Highway 1. Amateur Radio Exams given by Badger Examiners. (See TestPoint for further information.) For more swapfest information, contact O.R.C. Swapfest Committee, 11448 N. Laguna Dr., Mequon, WI 53092. (See elsewhere this issue for ad with full information.)

**SUNDAY, MAY 2, 1993.** DeKalb Hamfest, Sandwich, IL. Contact Howard, WA9TXW, PO Box 264 Sycamore, IL 60178.

**SATURDAY, MAY 8, 1993.** Lakeshore Hamfest, Manitowoc County Expo. Contact: ManCoRad Radio Club, P.O. Box 204, Manitowoc, WI. Call: Ron, WS9X, (414) 793-4733 (nights) or Red, N9GHE, (414) 684-9097.

**FRIDAY, SATURDAY, SUNDAY, MAY 20-22, 1993.** Big Boys Toy Show, Racine Hamfest, Racine, WI.

Contact Racine Megacycle Club - WB9USI, PO Box 3, Racine, WI 53401.

**SUNDAY, JUNE 13, 1993.** CWRA Swapfest, University Center, Stevens Point, WI. Contact: Art Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI 54481. (715) 344-2984.

**SATURDAY, JULY 10, 1993.** South Milwaukee ARC Swapfest, Oak Creek, WI. Contact SMARC, P.O. Box 102, South Milwaukee, WI. (414) 762-3235 Ext. 58.

**SATURDAY, JULY 24, 1993.** Eau Claire ARC Swapfest, Chippewa Falls Fairgrounds. Contact Lis Searing, N9EQR, 1129 McKinley Road, Eau Claire WI 54701. (715) 834-1303.

**SUNDAY, OCTOBER 10, 1993.** Kettle Moraine Radio Amateurs at the Waukesha County Exposition Center, Waukesha, WI. Contact: KMRA Swapfest, PO Box 411 Waukesha, WI 53187-0411.

**SUNDAY, OCTOBER 10, 1993.** KMRA Swapfest, Waukesha, WI. Contact: KMRA Swapfest, PO Box 411, Waukesha, WI 53187-0411.

THE BARGAIN MODE

**SSB**

SELL SWAP BUY

OUR WANT ADS GET RESULTS

**FOR SALE:** Johnson Viking I amplifier, DX-100 transmitter, JOohnson Viking VFO-122. Millard Christianson, WU9L, 424 W. Pine, Sturgeon Bay, WI 54235.

**WANTED:** FRG-7, FRG-7700, or R-1000 General coverage, send price, condition to AA9BA, 9145 Ivy Lane, Berlin, WI 54923. (414) 685-5018.

## Club Meetings



Due to space limitations we cannot always carry the full listing of Wisconsin and area club meetings. Please save the following listings for your future reference. We hope to have the full listing at least three times a year, and will carry any changes or additions between full listings.

**BADGER AMATEUR RADIO SOCIETY**  
(W9YT - U. W. - MADISON)

Monthly while school in session - 2nd Wed. - 7:30 p.m. - B-314, Electrical Engineering Bldg.

**CENTRAL WISCONSIN RADIO AMATEURS, LTD.**  
(STEVENS POINT)  
Second Wed..

**EAU CLAIRE AMATEUR RADIO CLUB**  
2nd Tue. - 7:30 p.m. - Parks and Recreation Bldg., Oxford and 1st Streets, Eau Claire. Hams, guests welcome. Travelers welcome on wide area club repeater K9UXP, 146.31/91.

**FOUR LAKES AMATEUR RADIO CLUB (MADISON WI)**  
First and third Tues - 7:30 p.m. - Red Cross Bldg., 4860 Sheboygan Ave., room "C" downstairs. It is the next building west of the Hill Farms State Office building. The meetings start promptly at 7:30 pm.

**FOX CITIES AMATEUR RADIO CLUB**  
Third Mon. - 7:00 p.m. - Roosevelt Jr. High School, 318 E. Brewster St., Appleton. Info: (414) 766-3886.

**GREATER MILWAUKEE DX ASSOCIATION**  
Fourth Mon. of the month at 7:30 p.m. Contact any GMDXA member or Dan Reese, N9XX, (414) 529-9806 (before 9 p.m. please) for meeting location.

**GREEN BAY MIKE AND KEY CLUB**  
Second Thur. 7:30 pm - Media Services area of the J. M. Science Building at St. Norbert College in DePere.

**GREEN FOX AMATEUR RADIO CLUB**  
Third Mon. - 7:30 p.m. - Green Lake Town Hall, int. of county hwy's K and N.

**KETTLE MORAINÉ RADIO AMATEURS**  
Second Fri., 7:30 p.m. at the Waukesha County Technical College, Campus Science Building, Room 102. Talk-in on the N9KS 147.39 repeater.

**LAKESHORE RPTR. ASSN.**  
Last Tue., Jan., Apr., Jul., & Oct., 7:30 p.m. Red Cross Bldg., 4521 Taylor Ave., Racine, WI.

**MADISON AREA REPEATER ASSN**  
The meeting schedule for 1991 is as follows: Nov. 11.

**MANITOWOC COUNTY RADIO AMATEURS**  
Directors Meeting: First Wed.  
General meeting: Second Wed.  
Both meetings held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin St., Manitowoc.

**MEMONONE FALLS AMATEUR RADIO CLUB**  
Last Tue. - Doors open 7:30 p.m., meeting begins 8:00 p.m. - Security Savings and Loan, Menomonee Falls. Amateurs and guests welcome.

## Badger State Smoke Signals

### Amateur Radio Education and Information

**CHAIRMAN:** Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

**EDITOR:** Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

**TREASURER:** Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

**CONTRIBUTING AUTHOR:** Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

### Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebner, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than **FIVE DAYS** after the club's meeting. For

example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections should be sent to Ken Ebner.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebner.

Swapfest information should be sent to Ken Ebner. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

### Conditions for Reprinting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. This credit is mandatory, and no material may be printed unless it is given. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

**MILWAUKEE RADIO AMATEURS CLUB**

Last Thursday, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. No meetings in July, August and December.) Meetings begin at 7:00 pm.

**NORTHERN WISCONSIN RADIO CLUB**

4th Tue. - 7:30 p.m., Sept. through April. Peppermill Restaurant, Thunderbird Mall North, Menomonie, WI. Guests welcome.

**NORTHWOODS ARC (RHINELANDER WI)**

Third Tue.. Doors open at 7:00 p.m. Meeting at 7:30 p.m. South Park School, Rhineland, WI. Talk-in on 146.93/.34. All interested visitors to the Northwoods are welcomed.

**OZAUKEE RADIO CLUB**

Second Wed. - 7:30 p.m. - Grafton Multipurpose Senior Center.

**QCWA - WISCONSIN CHAPTER #55**

Contact Erwin Froelich, W9RZW, Treasurer, Rte 1 Box 177D, Pine River WI 54965. For information about meeting dates or joining QCWA Chapter #55. The Wisconsin Chapter holds Spring and Fall dinner meetings.

**QCWA - SOUTHEAST WISCONSIN CHAPTER #162**

Meets third Mon. monthly, 7:30 p.m., Around the Clock Restaurant, 3012 Rapids Drive, Racine.

**RACINE MEGACYCLE CLUB**

Second Mon., 7:30 p.m., Red Cross Bldg., 4521 Taylor Ave., Racine, WI

**RIVERLAND AMATEUR RADIO CLUB**

First Tue. - 7:00 p.m. - Onalaska Community Center, Onalaska WI.

**ROCK RIVER RADIO CLUB**

Monthly - first Tue. - 7:00 p.m. at Dodge County Sheriff's Department, 141 N. Main, Juneau, WI.

ARES Net: 146.04/146.64 Mon.s at 7:30 p.m. Sat.s on 2777 KHz at 10:30 a.m.

**SHEBOYGAN COUNTY AMATEUR RADIO CLUB**

Second Tue. - 7:00 p.m. - Sheboygan Red Cross/Boy Scout Bldg., 2032 Erie Ave.

**SOUTH MILWAUKEE AMATEUR RADIO CLUB**

First Wed. - Legion Post 434, Shepard Ave., Oak Creek WI. Auctions in March and October.

**TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) MEDFORD**

Usually the 2nd Thur. of the month at 7:00 PM sharp. Usual location: emergency government meeting room, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Sts., Medford, WI. Talk-in on 147.75/15 or 145.27(-600) repeaters. Amateurs & guests are welcome. ARS Net, Wed. nights at 8:30 PM on 147.75/15. For info contact: Rolland Walty, W9LEE, W4117 Hwy. 102, Westboro, WI 54490. (715) 427-3492

**TRI-COUNTY AMATEUR RADIO CLUB**

Sun. of each month. Meetings are held at 7:00 p.m., at the Trinity Lutheran Church, 314 Barrie, Fort Atkinson, WI.

**WASHINGTON COUNTY AMATEUR RADIO CLUB**

Second Thursday, 7:30 p.m., Washington County Court House. Net on Thursdays at 7:30 p.m. on 146.73.

**WATERTOWN AMATEUR RADIO CLUB**

First Thur. of the month at 7:00 p.m., The Watertown Public Library, 100 S. Water St., Watertown, WI.

**WAUPACA AMATEUR RADIO CLUB**

First Sat. in March, June, September and December, at 9:30 a.m. at the Waupaca Fire Station in downtown Waupaca.

"QQ First Tue." - A social gathering and dutch treat luncheon at the King's Table in King, WI, on Highway QQ just south of highways 10 and 54 on the west side of Waupaca.

**WEST ALLIS RADIO AMATEUR CLUB**

Second Tue. - 8:00 p.m. - St. Peters Episcopal Church, 7929 Lincoln Ave. Entrance is at rear of building on alley.

**WISCONSIN ASSOCIATION OF REPEATERS**

Meetings are held Quarterly, with time and location to be announced. Repeater licensees, trustees, and sponsors are urged to attend W.A.R. meetings. All interested parties are welcome, as well.

**WISCONSIN VALLEY RADIO ASSOCIATION (WAUSAU)**

First Tue. - 7:30 p.m. - Location varies; info on 146.04/64, Wausau.

**YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)**

Days rotate: Scheduled meeting dates:

Tue. Jan. 12, Wed. Feb. 17, Thu. Mar. 17,  
Tue. Apr. 13, Wed. May 12, Thu. Jun. 17,  
Tue. Jul. 13, Wed. Aug. 18, Thu. Sep. 16,  
Tue. Oct. 12, Wed. Nov. 17, Thu. Dec. 12.

All meetings, (Except January 12 see YTARC meeting minutes), at the Baraboo Civic Center, Baraboo, WI. Meetings start 7:30 p.m.

Let Badger State Smoke Signals know your club's meeting dates, and we will let our readers know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

## The Test Point



### Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

April 3, 1993	River Falls, WI
April 3, 1993	Racine, WI
April 10, 1993	Madison, WI
April 10, 1993	Oak Creek, WI (SWAT)
April 13, 1993	Merrill, WI
April 17, 1993	Eau Claire, WI
April 17, 1993	Milwaukee, WI (BE)
April 18, 1993	Cresco, IA
April 21, 1993	West Allis, WI (MRAC)
April 24, 1993	West Allis, WI (MRAC)
April 24, 1993	Tomahawk, WI
May 1, 1993	Medford, WI
May 1, 1993	Racine, WI
May 1, 1993	Ozaukee, WI (BE)
	(Hamfest)
May 8, 1993	Marshfield, WI
May 8, 1993	Manitowoc, WI
	(Hamfest)
May 8, 1993	Madison, WI
May 8, 1993	Oak Creek, WI (SWAT)
May 19, 1993	West Allis, WI (MRAC)
May 22, 1993	Racine, WI
	(Big Boy Toy Show)
May 29, 1993	West Allis, WI (MRAC)
May 29, 1993	Tomahawk, WI
June 5, 1993	Racine, WI
June 12, 1993	Appleton, WI
June 12, 1993	Dubuque, IA
June 12, 1993	Madison, WI
June 12, 1993	Oak Creek, WI (SWAT)
June 12, 1993	River Falls, WI
June 12, 1993	West Allis, WI (MRAC)
June 13, 1993	Stevens Point, WI
	(Hamfest)
June 26, 1993	West Allis, WI (MRAC)
June 26, 1993	Tomahawk, WI
July 10, 1993	Madison, WI
July 10, 1993	Marshfield, WI
July 10, 1993	Oak Creek, WI (SWAT)
July 31, 1993	West Allis, WI (MRAC)
July 31, 1993	Tomahawk, WI
August 9, 1993	Appleton
August 14, 1993	Madison, WI
August 14, 1994	River Falls, WI
August 14, 1993	Oak Creek, WI (SWAT)
August 18, 1993	West Allis, WI (MRAC)
August 21, 1993	Dubuque, IA
August 28, 1993	West Allis, WI (MRAC)
August 28, 1993	Tomahawk, WI
September 4, 1993	Racine, WI
September 11, 1993	Madison, WI
September 11, 1993	Marshfield, WI

September 11, 1993	Oak Creek, WI (SWAT)
September 15, 1993	West Allis, WI (MRAC)
September 25, 1993	West Allis, WI (MRAC)
September 25, 1993	Tomahawk, WI
October 2, 1993	Racine, WI
October 9, 1993	Oak Creek, WI (SWAT)
October 9, 1993	Madison, WI
October 9, 1993	River Falls, WI
October 20, 1993	West Allis, WI (MRAC)
October 30, 1993	West Allis, WI (MRAC)
October 30, 1993	Tomahawk, WI
November 6, 1993	Racine, WI
November 6, 1993	Menomonie, WI
November 7, 1993	Kaukauna, WI
	(Hamfest)
November 13, 1993	Madison, WI
November 13, 1993	Marshfield, WI
November 13, 1993	Oak Creek, WI (SWAT)
November 17, 1993	Oak Creek, WI (MRAC)
November 20, 1993	Dubuque, IA
November 27, 1993	West Allis, WI (MRAC)
December 1, 1993	Racine, WI
December 4, 1993	Stevens Point, WI
December 11, 1993	Madison, WI
December 11, 1993	River Falls, WI
December 11, 1993	Oak Creek, WI (SWAT)
December 15, 1993	Oak Creek, WI (MRAC)

Monthly, 1st Sat. Racine, WI  
(except January, July & August)

Monthly, 2nd Sat. Madison, WI

Monthly, 2nd Sat. Milwaukee, WI (MRAC)

Monthly, 3rd Wed. Milwaukee, WI (MRAC)

Monthly, 3rd Sat. Loves Park, IL

Monthly, Last Sat. Milwaukee, WI (MRAC)  
(except December)

Monthly, Last Sat. Tomahawk, WI  
(January thru October only)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

### GENERAL RULES

#### FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.60 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

#### MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Methodist Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): At 7500 West State St., West Allis, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license or CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required are a pen and \$5.00

(continued on page 14)

# Wisconsin Nets Association Ltd.

Rob Hummel, WA9ZTY, Secretary • 202 Midvale Drive • Marshall, WI 53559

## Section Manager's Notes



Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

May 1 the Ozaukee RC League Sanctioned Swapfest will be at the Cedarburg Circle-B Recreation Center, Highway 60 and County I. Stop by and say howdy to me at the League booth near the stage. Exams will be given by Badger Examiners.

Also May 1 is the Arrowhead RAC Swapfest, contact W9IBM of Superior for info.

May 8 is the Lakeshore Hamfest with exams held at the Manitowoc County Expo Center sponsored by ManCoRad RC.

May 21-23 is the Racine Hamfest sponsored by Racine Megacycle Club at Festival Site near Lake Michigan.

Other exams: May 1 Medford and Racine; May 8 Madison, Marshfield, Manitowoc and Oak Creek; May 19 West Allis; May 22 Racine; May 29 Tomahawk and West Allis.

Rock River RC will have their spring fox hunt on May 5.

The W/K Club will meet at WU9E's QTH on May 11.

West Allis RAC will have program on computer control of receivers at their May 12 meeting.

W9IXG of Madison is new Official Observer.

If you need information about the Superfund Amendments and Reauthorization Act and emergency planning, contact EC WB9RQR of Ozaukee.

## Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3984	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

Ozaukee ARES meets on 147.33 MHz each Thursday at 8 p.m. for nets, except the 4th Thursday of each month when they meet at the Justice Center in Port Washington.

WB9MSM enjoys collecting ham radio stamps. ZILCH group chats on 146.000 MHz in Madison area and meets Saturdays at the Prime Table at 9 a.m. or at the Village Green at 11 a.m.

WB9BBI of Appleton has an RTTY net on 146.70 MHz, Tuesday nights at 7.

WA9PWP of Madison has been awarded 144 MHz VUCC.

Sorry to report KB9ASH is Silent Key.

Thought of the month: *Wisdom consists of knowing when to avoid perfection.* □

## Correspondence

...from our readers



### HELPFUL INFO WOULD BE HELPFUL

Dear Jim:

Two seasons are coming upon us very quickly. They are the traveling season and the severe weather season.

Would it be possible to publish in the *Badger State Smoke Signals* the following:

(1) The county emergency coordinator for each county. Possibly include his telephone number or how he can be reached in an emergency.

(2) The ARES/RACES repeater for that county and the alternate repeater.

(3) Whether or not the ARES/RACES repeater has an open autopatch.

(4) The time and day of local ARES/RACES nets and which repeater is used.

(5) Not to be too greedy about this, it would also be nice to have the above information about the states and/or counties that border Wisconsin, Illinois, Iowa, Minnesota, and Upper Michigan.

This information would be handy for those of us who like to travel and may not have a repeater directory handy which doesn't have all that information anyway.

A map like the Packeteers display would be an added bonus with the above repeater marked and noted.

Another point, would it be possible to have a column dedicated to ARES/RACES within the state?

It would be nice!

73,

Steve Slaby, WA9CUD  
Waupaca, WI

Steve, I agree with everything request you made. Now, all that needs to happen is for those who can supply that information to supply it! If we receive it, we will print it.

- Editor

## New Amateurs: Read Me!

By Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

Howdy, new Wisconsin radio amateur! This issue of the *Badger State Smoke Signals* has been sent to you free. Hope you enjoy reading it and find the information valuable. *Smoke Signals* does a magnificent job of reporting what's happening in Amateur Radio. As you can see, there's news about club meetings, tests, swapfests, hamfests, picnics, field days, contests, nets and packet radio, all very timely, too.

Do you like reading the *BSSS*? Then please subscribe by using the subscription form on page 5, it costs only pennies a month. But wait, you might be able to join a club in your area and save some money. How? Some clubs furnish a *BSSS* subscription to all their members. A few large clubs get a subscription price discount. So, either way, you might get both *BSSS* and club membership for only pennies a month. Clubs that offer these opportunities are listed in the last

pages of this issue and elsewhere. Join a club and subscribe to the *BSSS*, a superb way to get your technical and operating questions answered by the experts and old timers at meetings or in print.

Now for another prodigious bargain. The American Radio Relay League, of which I am a volunteer manager for Wisconsin, sends me mailing labels listing new Wisconsin amateurs monthly. I review and then forward them to Ken Ebnetter, K9EN of the *BSSS*, so he can use them to send out *Smoke Signals*. That's how you and about 70 others got this issue. Besides the labels, the ARRL helps pay postage and printing, so you got this free issue.

Many libraries have *QST*, the monthly magazine of the ARRL, in their periodical section for you to read. *QST* covers Amateur Radio activities from around the world. If you would like to subscribe to *QST*, or learn about the many benefits of League membership, please drop me a note.

Best of luck, and hope to work you on the air! □

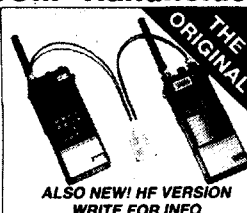
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## EarthBreeze Balloon and Package Disappear, Not Recovered

The Wisconsin Amateur Radio Balloon Association (WARBA) launched a balloon-carried package on January 30, 1993. The package was a simple one, carrying a 50-milliwatt beacon transmitting on 14.317 MHz. Not long after launch, the beacon's CW rate went to WARP 10, an estimated speed of 100 words per minute. The high CW speed was attributed to changes in components from the extreme cold at flight altitude. Reports were received for a while, including from the west coast and a PJ2 station. Not long after that, nothing further was heard from the package.

The flight was intended to be a round-the-world trip, but WARBA theorizes that the package descended to earth somewhere in the ninth call area. The package has not been recovered.

WARBA is planning for its next flights, including one which WARBA's Steve Loeffler, WB9ZRE, says will be "spectacular." He says that no other details will be released until all plans are firm and needed items are in hand.

## YL World: New Mag for Female Hams

A new magazine is out called *YL World*. Its purpose is to spread information about Young Lady (YL) amateur radio activities. *YL World* is an independent magazine with an annual subscription price of \$12.50 (it is offered on tape for the same price). Marketing Manager Vikki Gigante-Hueber, KA3PVS, sent me a sample copy and I liked what I read.

Most of the articles are written by YLs, and are of general interest like Field Day, mobile radio, Morse code, symposiums, repeaters and various stories. There are several photos scattered throughout 20 half pages, which makes for easy reading. One regular feature is "Ask Elmira," the YL version of the helpful radio instructor "Elmer." Another story tells about a YL's Elmira who is her mom.

If you know someone who might like *YL World*, send for a subscription to *YL World*, P.O. Box 254, Sanger, TX 76266.

- Rich Regent, K9GDF

## Racine Gains Two New Hams



Kevin Larsen, KB9HSB, left, and Jim Miller, N9SGO, right, are shown standing with their Amateur Radio teacher, Cheryl Miller, WS9P, after passing their Technician Class exams at the Red Cross Building in Racine in December. Kevin is an 8th grader and Jim is a 7th grader at Gilmore Middle School in Racine.

- Photo courtesy Cheryl Miller/WS9P

## FCC Issued Call Sign Update

The following is a list of the FCC's most recently issued call signs as of March 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0LX	KG0DS	N0VRS	KB0LAU
1	AA1FM	KD1NI	N10NN	KB1ASR
2	AA2MV	KF2NG	N2TZR	KB2PZS
3	AA3D	KE3HF	N3OJS	KB3APW
4	AD4AS	KQ4PC	++	KD4YME
5	AB5LE	KJ5IW	++	KB5YWC
6	AB6RE	KN6HQ	++	KD6YSN
7	AA7UK	KI7KY	++	KB7SXX
8	AA8KH	KF8ZG	N8XKP	KB8ORZ
9	AA9GA	KF9NP	N9SMB	KB9ILH
HAWAII	++	AH6MI	WH6KV	WH6CQF
ALASKA	++	AL7OR	WL7IV	WL7CGQ
PR	++	KP4UX	++	WP4LUV

++ All call signs in this group have been issued in this area.

- ARRL Bulletin ARLB025, 3/9/93

## RF Guidelines Proposed

The FCC has proposed changing its guidelines for evaluating environmental RF radiation, to reflect the guidelines adopted in 1992 by the American National Standards Institute (ANSI) and the Institute of Electrical and Electronic Engineers, Inc. (IEEE).

"The new guidelines differ significantly from those they replace," the Commission said. "For example two 'tiers' of exposure levels are now recommended, one for 'controlled' environments, and another, generally more restrictive, for 'uncontrolled' environments. Also, new restrictions are placed on currents induced in the human body by RF fields below 100 MHz.

"Another significant change is the imposition of stricter limitations on automatic exclusions for low-power devices, such as hand-held radios and telephones, based on operating power. The 1982 guidelines generally excluded such devices with powers of seven watts or less. The new guidelines contain more complex and more restrictive criteria for such exclusions, with allowable power decreasing as frequency increases."

- ARRL Bulletin ARLB029

## Scholarship Availability Announced by Foundation for Amateur Radio

Two Wisconsin Clubs Offer Total of \$5,000 in Scholarships

The Foundation for Amateur Radio, Inc., a non-profit organization with headquarters in Washington, D.C., plans to administer forty-seven scholarships for the academic year 1993-1994 to assist licensed Radio Amateurs. The Foundation, composed of fifty local Washington-area Amateur Radio clubs, fully funds five of these scholarships with the income from grants and its annual Hamfest. The remaining 42 are administered by the Foundation without cost to the various donors.

Licensed radio amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$2000, with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs.

Clubs are encouraged to announce these opportunities at their meetings, on their nets, during training classes, and in their club newsletters.

The two Wisconsin clubs and their scholarships administered by FAR are:

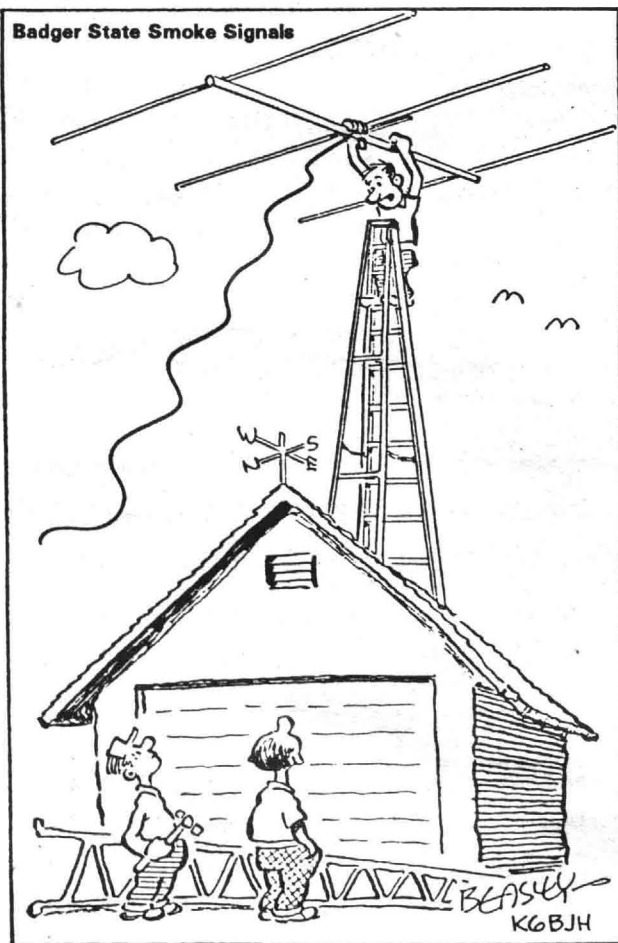
**South Milwaukee Amateur Radio Club:** SMARC offers four \$500 scholarships. The applicants must be licensed radio amateurs, pursuing an associate or baccalaureate degree in Electrical Engineering or Engineering Technology from an accredited college or university anywhere in the United States. These scholarships are open to applicants in Illinois, Indiana, and Wisconsin, with preference given to Wisconsin applicants.

**West Allis Radio Amateur Club:** The WARAC makes available three \$1000 scholarships. Applicants must be licensed radio amateurs and plan to attend a Wisconsin school with a minimum goal of an Associate degree. These awards are available to Wisconsin hams only.

Residents of the Wisconsin area may meet the requirements of some of the other scholarships. Additional information and an application form can be requested by letter or QSL card, postmarked prior to April 30, 1993, from FAR Scholarships, 6903 Rhode Island Avenue, College Park, MD 20740.

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purpose of the Amateur Radio Service.

- Foundation for Amateur Radio news release



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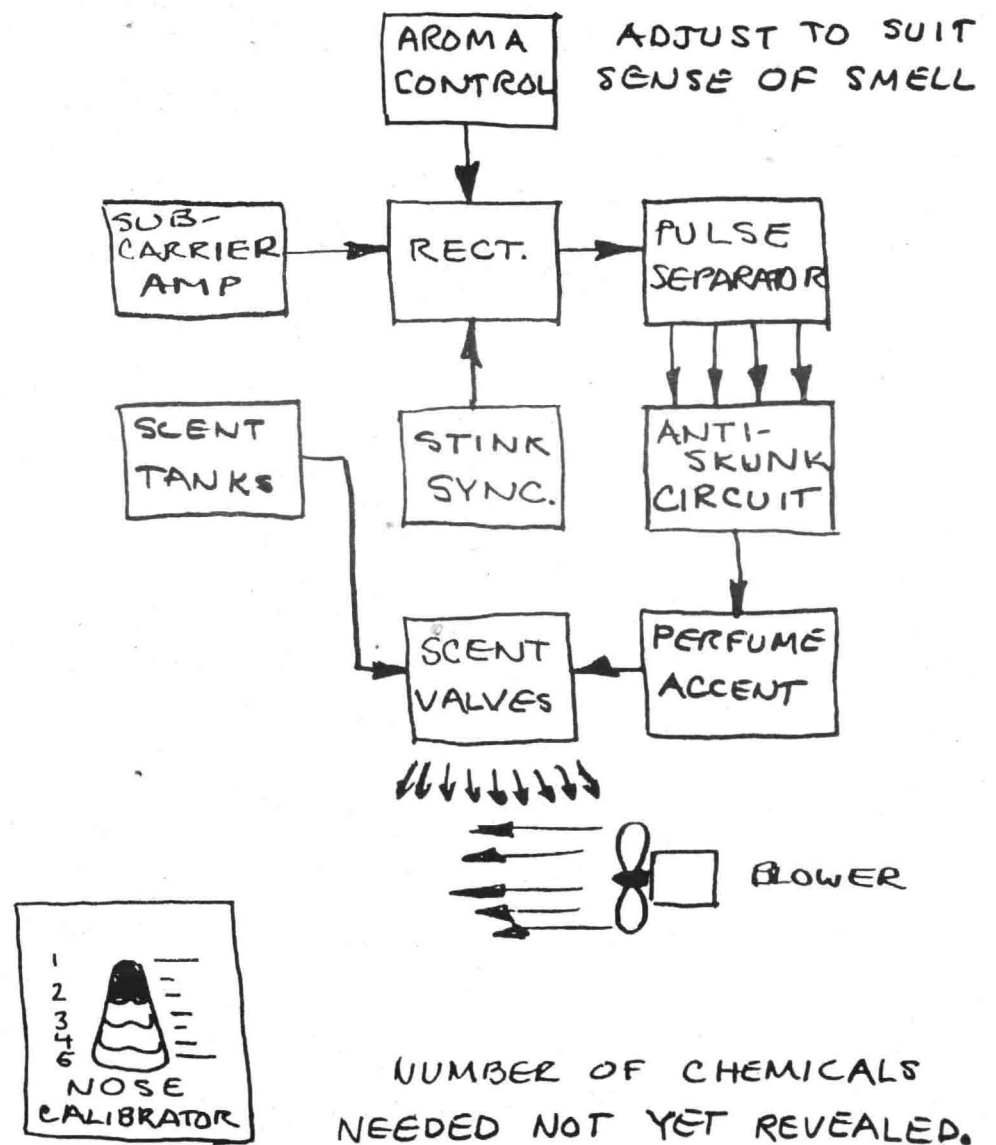
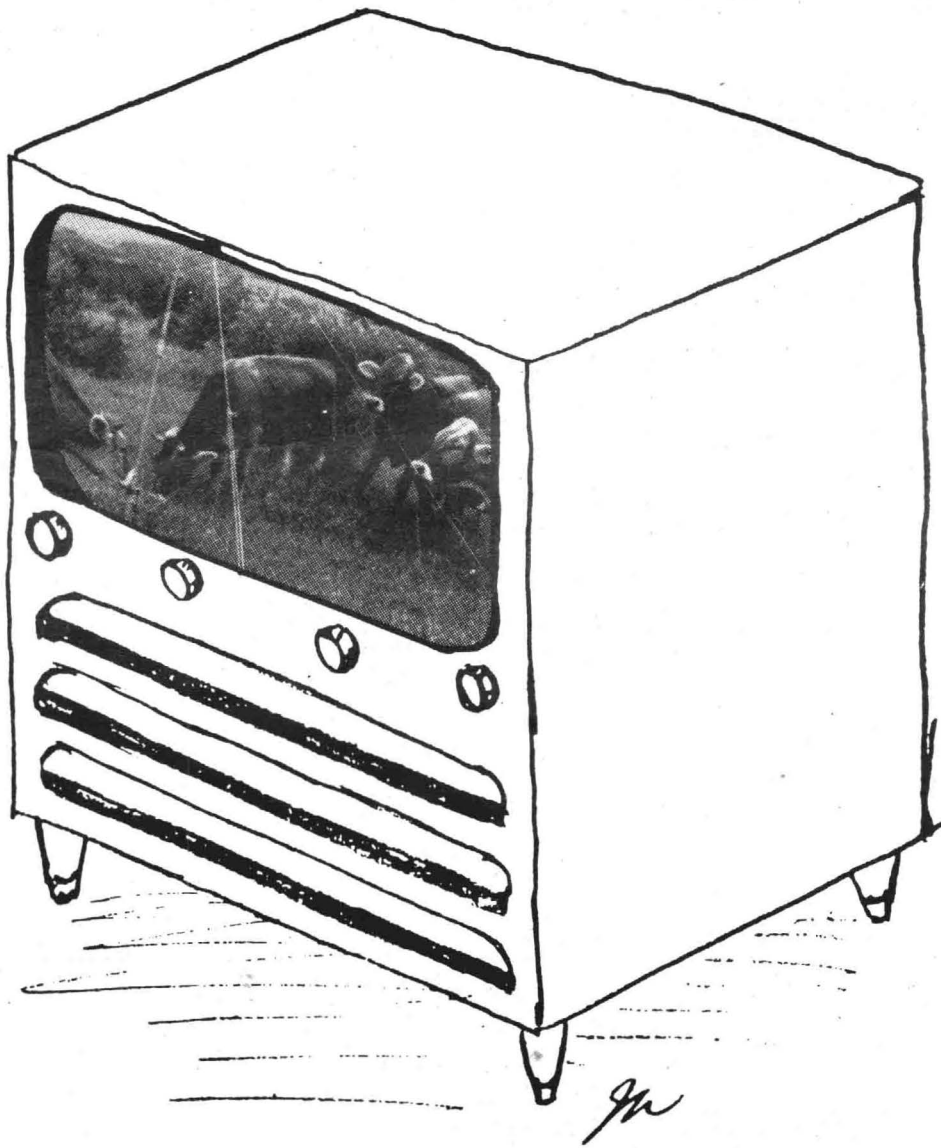
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9304



# SMELLAVISION

By Vrah Remah, J8XGN+1



## New Invention Will Mean Better, More Realistic Television

*Editor's Note: For many years, innovative inventions from the laboratory of Vrah Remah, J8XGN+1, have brought us better things for better living. Vrah, now semi-retired, agreed that we should publish again news about what was probably his greatest invention: Smellavision. The revelation about Smellavision first appeared in Yellow Thunder Smoke Signals in April, 1974.*

All aromas or odors are a composition of basic chemical mixtures in various proportions. Therefore, a simple means of reproducing these aromas can be accomplished by the following methods.

A subcarrier transmits coded pulses in time sequence to the Smellavision receiver. These pulses serve to operate electric valves on the pressure system of basic chemical atomizers which, when operated in

unison with proper amounts, will cause the desired aroma or odor to be emitted through a special louver on the front of the receiver.

Included must be a special anti-skunk or undesirable mixture device to prevent noise pulses from causing unbearable odors to emanate from the device.

Chemical analysis and electronic mixing of the pulses at the transmitter for various program uses will be a new transformation art, which will require use of a new formula, still not fully derived at this writing. These things *do* take time. A basic drawing illustrating the device is above, and should serve to show the basic functions.

If anyone has questions about Smellavision, they may be directed to Vrah's agent, Harv Hamer, K9YHO, 1109 12th Street #6, Baraboo, WI 53913. □

## FASTBACK Backups

By Ronald W. Hooker, K9WTF  
S68 W22700 National Avenue, Big Bend, WI 53103

FASTBACK is a popular software program that is used to backup a hard drive onto floppy diskettes. The higher the density of the floppies you use to do the backup, the fewer the floppies that will be required to do it.

The FASTBACK program version 3.0, by default, will format the floppies for the backup at a higher density than the standard DOS. For example, a 3½" high density disk (that DOS formats to 1.44 meg) will be formatted to 1.88 meg by FASTBACK. This is a desirable feature as this program will take fewer floppies to backup your hard drive.

Beware that there are traps that can catch you using this expanded format capability of FASTBACK. A coworker and I have been trapped when we used this expanded format, in that we could not read the floppies to do a restore. In my case, I was attempting to restore hard drives on two computers. I had done the backup before starting changes in hardware. The first hardware

change was the installation of a new hard drive and controller card, which also included a new disk controller card. With this change, the restore operation on the 286 machine was successful. The original hard drive was installed into an XT along with its associated control card. A new high density floppy controller card was installed into the XT to gain that capability in the XT. The same 3½" drive was temporarily installed into the XT to do the restore. Now the restore was unsuccessful; the combination would not read the diskettes. I made the assumption that it might be my setup and did not think much about it.

A couple of weeks later, a coworker had a hard drive controller card fail on his machine at work. The replacement card he received was not from the same manufacturer. And his new controller card/floppy card combination with the floppy drive would not read the floppies when he attempted to do the restore.

In discussions with others on this issue, we believe that FASTBACK checks your controller/floppy combination and will write to this higher format if the combination will allow it. This is great if you can be sure that you will have this combination available when you do the restore.

My recommendation is: when using FASTBACK version 3.0, you select the DOS format to do the backup. The floppies will then be formatted at the normal DOS density for the floppy size and format size selected. This will give you assurance that, whatever the components that need to be replaced (or switched around), you still can do a restore. □

*This article first was published in Hamtrix, the club newsletter of the West Allis Radio Amateur Club.* □

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# ARRL RF Touch Lamps Interference Info

RF Touch lamps are RF-operated devices that often cause, or are susceptible to, EMI problems. They have a free-running oscillator that is very broad and rich in harmonic energy. This oscillator is hooked up to a touch plate that changes the frequency of the oscillator when a hand is placed near the plate. Unfortunately, this plate also acts as an antenna, radiating some of the energy of the oscillator, or picking up nearby radio signals. When the former happens, it can interfere with other services. When the latter happens, the circuitry inside the lamp reacts the same way that it would when the plate is touched — the lamp changes states from "off" to "on".

Although cases of moderate interference can sometimes be cured by using a "brute-force" type AC-line filter and/or a common-mode choke (see the ARRL Book, *Radio Frequency Interference — How to Find It and Fix It* for more information about AC-line filters and common-mode chokes) most cases will require internal modification to the lamp.

For a number of different reasons (you may be blamed if anything EVER goes wrong with the lamp or house wiring) you do not want to perform this modification on equipment that is not your own. Remember — house AC power is dangerous. These modifications must only be performed by qualified service personnel!

Here are some reprints from *QST* "Hints and Kinks":

♦ ♦ ♦ ♦

**RFI and Touch-Controlled Lamps.** I have found a simple cure for those touch-controlled lamps that turn themselves on and off during nearby radio transmissions. In my case, 40-meter operation gave the most trouble, with 75-meter operation a close second. Higher frequencies presented no problem. (I use a ground-mounted vertical antenna for 80, 40 and 15 meters, and the lamp is approximately 150 feet from the antenna. An AC-line filter at the lamp did not eliminate the problem.)

A 1-kohm resistor (in series with the signal input lead to the encapsulated circuit that operates the lamp) cured the problem for me. I suppose the required resistor value would vary with the RF-field intensity and frequency.

- John M. Adams, W7OTC  
Sun City, CA

♦ ♦ ♦ ♦

**More on RFI to Touch-Controlled Lamps.** I had the same problems as W7OTC with a touch-controlled lamp switched on and off by my transmissions (100 W to a roof-mounted vertical, with two radials per band). The problem occurred during operation on the 80-through 15-m bands, but 10-m operation had no effect. A 1-kohm resistor was not a complete cure in my case.

A 3.3kohm resistor in series with the signal input on the lamp helped on all bands except 80 m (an additional 1.8kohm prevented the lamp from functioning). When the resistor was replaced with an RF choke (100 uH, 139 mA), the problem abated on all bands except for 80 m. On 80 m, the interfering signal was considerably attenuated by the choke, but the lamp still switched. The choke alone may be enough to clear up the problem in some cases.

The final answer turned out to be both the RF choke and a 1.8kohm resistor in series with the signal-input lead to the touch-control circuit.

- Colin Hall, G4JPZ/W6  
Marina Del Rey, CA

♦ ♦ ♦ ♦

**Touch-Lamp Transceiver.** When my wife told me she had bought a three-way lamp that switched on and off at the touch of any of its metallic parts, I did not realize she had purchased a transceiver. I found that my transmitted signal would cause the lamp to operate exactly as if I had touched its metal parts. Later I discovered a raspy, S8 signal at 1875 kHz — it was coming from the lamp, which was located three rooms away on a different AC circuit. The lamp signal is present from 40 meters down. At frequencies from 20 meters up, my operation is undisturbed.

A box inside the lamp contains a circuit board

through which AC line voltage is routed and which has a wire connected to the metal base of the lamp. When the lamp is plugged in, the lamp signal is present at all times, regardless of whether the lamp is on or off. In my attempts to eliminate the interference, I tried a commercial AC filter, coiling the lamp cord on some ferrite material and other such approaches without success.

To make sure the lamp my wife had was not defective, I borrowed a similar lamp from a neighbor to try it. I found it to perform in exactly the same manner, except that the frequency of oscillation was somewhat different. There is no manufacturer or distributor name on the lamp or packing container. The lamp was made in Taiwan.

I am writing so that others who may be experiencing similar difficulties may have some idea of the probable source of interference. After I described what I discovered to a ham friend, he realized that such a unit had been causing interference to his station for more than a month.

- Cal Enix, W8EN  
209 S. Kalamazoo St.  
White Pigeon, MI 49099

♦ ♦ ♦ ♦

If these cures don't work, it may be possible to shield the electronic switch module, but this must be done safely! You may also want to contact the manufacturer and send a report of your problem to ARRL Headquarters RFI Desk, 225 Main St., Newington CT 06111.

If you come up with a better solution for this problem, please write to the RFI Desk with the solution. It sounds like it would be a good candidate for Hints and Kinks!

73 from ARRL HQ.

- Ed Hare, KA1CV

## NASA Presents Public Service Medal to Gene Roddenberry

Gene Roddenberry, creator of the Star Trek television series, posthumously received NASA's Distinguished Public Service Medal on Jan. 30. The medal was presented to his widow, Majel Barrett Roddenberry, by NASA Administrator Dan Goldin in a ceremony at the Smithsonian's National Air and Space Museum in Washington, D.C.

Roddenberry is credited with popularizing the exploration of space through the original Star Trek television series, six motion pictures and the spinoff television series Star Trek: The Next Generation. His vision of a positive future for the human race, as well as the social and artistic content of the series, have enjoyed enormous success and popularity since the original Star Trek premiered on television in 1966.

The impact of his program was recognized in the U.S. space program as the first Space Shuttle was named Enterprise after the spaceship in Star Trek. Many people, including astronauts and others involved in the space program, cite Star Trek as being an early influence on their lives.

The citation accompanying the medal reads: "For distinguished service to the Nation and the human race in presenting the exploration of space as an exciting frontier and a hope for the future."

Gene Roddenberry died in October 1991.

- NASA news release 93-109

*Editor's note: Majel Barrett Roddenberry plays the part of Lwaxana Troi, the eccentric mother of counselor Deanna Troi, on Star Trek: The Next Generation. She is also the computer's voice on the show.*

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## From the Old Goat

Jim Romelfanger,  
K9ZZ, Editor



• The 1993 Wisconsin QSO Party is now history, and a good one it was. I operated from K9EN's shack in Portage in Columbia County. At first, the bands were very noisy and few signals were heard. But, the noise began to drop and as it did, signals came up and away we went! My score is of the "little pistol" category, definitely not on a par with the "big guns," but it was enjoyable anyway. 40 meters was the most productive again this year, at least for me. This is generally the only time during a year I work any HF, except for a few QSOs on Field Day.

Special thanks to the stations who were not in the contest but who did get on the air to provide the more serious contesters with contacts and multipliers! Thanks, too, to the sponsor, the West Allis Radio Amateur Club. It was a good show all the way around.

Again, a reminder: If you were a participant in the QSO party, we'd like very much to have a good photo of yourself at your station to publish with the official results. We expect to publish the results in our June issue, and all participants who submitted logs will receive a copy.

• Yes, the specialty net list is still coming. The data base has been set up, and some nets have been entered. However, fields need to be added or modified in the database, and a few other changes need to be made before we will publish the list.

A lot of nets, including several right in BSSS' back yard, failed to register. We will *not* accept verbal registrations. We make enough mistakes as it is, so written registrations are a must. If space permits, we will re-publish the registration form in

## Bicycling Ham Tri-State Pedalathon

By Richard Regent, K9GDF  
5003 South 26th Street, Milwaukee, WI 53221

Did you know that one of the most active bicycle hams in the world lives right here in Wisconsin? It's Elroy Shelley, WB9GIE, of Milwaukee, who has worked over 100 countries, fifty states and all continents while bicycle mobile and loves being inundated with on-the-air calls from inquisitive amateurs. Even in this age of cellular phones, it's still unusual to contact someone while they are pedaling a two-wheel vehicle around the countryside. Elroy loves it!



Elroy Shelley,  
WB9GIE

Now for the news. Elroy bought a new dark-blue Trek 7000 bicycle and is transferring his HF radio equipment to it from his 30 year-old bike. The

exciting combination of ham radio HF operation and of bicycling, which Elroy has enjoyed for years, is quickly catching on across the country.

The Bicycle Mobile Hams of America already has 200 active members since it began in 1989, according to Hartley Alley, N0AA, editor of the *BMHA Newsletter*. BMHA membership and subscription to the Newsletter is \$10 per year from P.O. Box 4009, Boulder, CO 80306.

Elroy is planning his own three state radio pedalathon from June 30 through July 18, 1993. Starting at Milwaukee early Wednesday, some stops include Ironwood, Michigan; Superior, Wisconsin; Duluth and Minneapolis, Minnesota; then on back through LaCrosse, Baraboo, Madison and Waterford, Wisconsin. Elroy is thrilled about visiting with workers at the Trek Bike Shop in Waterford, who said they will be anxious to see his setup on one of the bikes they made.

WB9GIE would appreciate help from anyone on his route. You can write to him for the specifics about the route and the frequencies he plans to use. □

our May issue.

• The May issue will also bring our semi-annual Wisconsin repeater directory, courtesy of the Wisconsin Association of Repeaters.

• We no longer are receiving any construction articles for simple projects. Feature stories about interesting Amateur Radio activities don't seem to be coming our way very often anymore, either. We can and will gladly publish good, useable articles and stories. Please send them to the editor.

• We like to publish photos of hams doing interesting things, even if they're not related to Amateur Radio. All subjects in photos should be identified by full name, call sign, and city. Be careful how you do the "IDing" for photos; we had

an excellent picture which we would have published in this issue, but it wasn't of "printable" quality. Two other pix were in the envelope. The ID info on the back of one print offset to the front of the next one in black, permanent ink; the photo was ruined.

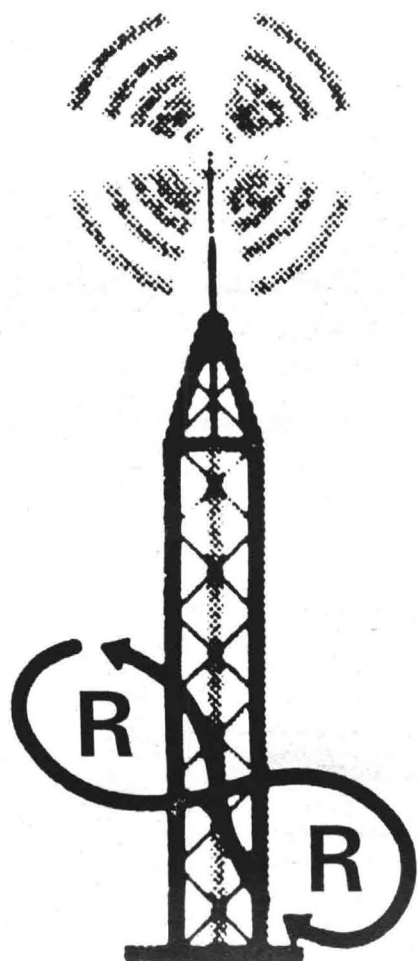
It's best to write photo ID info on a separate piece of paper and tape that at the bottom of the photo. Put the tape on the BACK of the photo.

Thanks to all who sent pix for this issue. Please keep 'em coming, or I'll have to run more photos of myself!

• Finally, thank you to all who have sent material. Without you, this newspaper would not be. And, thanks to the club secretaries who all sent their material promptly this month! □

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## Correspondence

...from our readers



Continued from page 4

The second meeting was held on February 6, 1993 in Merrill at Champs Restaurant, and the following are excerpts from the minutes.

Subjects discussed were forming Novice/Technician classes at the high school, testing sessions, linking the repeater with other systems, adding a six-meter repeater, providing communications for the regional Special Olympics competition, ARES participation, a digipeater, and in general promotion of the club and encouragement of the hobby of Amateur Radio.

The next meeting will be held May 8, 1993. The MRS is looking for for other repeaters who might like to link up for swap nets or other purposes from time to time. Anyone interested in linking their system with Merrill, or who has any questions about the Association can contact yours truly.

73.

Terry Collins, KB9AUP  
President/Treasurer  
18 North Tomahawk Avenue  
Tomahawk, WI 54487

### REMEMBRANCES, UPDATE FROM ROY NEAL, K6DUE

Hi, Ken:

Just want you to know that I appreciate "Smoke Signals" for the fine publication that it is.

It has been a long time since I talked to your gang, there in Wisconsin, but I remember it with fondness and the magazine keeps me right up to date.

Incidentally, my major concern still is space oriented. I chair the SAREX Working Group. We are in charge of putting ham radio on space shuttles. Now retired from NBC, I find this action very satisfying.

Keep up the good work for our amateur service. We need it!

73.

Roy Neal, K6DUE

Roy was the featured speaker at the 1979 ARRL Central Division Convention in Milwaukee, sponsored by the West Allis Radio Amateur Club. Much of his after-dinner talk was about the earlier days of U.S. manned space flight and the unique problems that he encountered filing reports from at least one of the recovery vessels. His ham radio improvisation experience saved the day at least once.

Roy also has appeared in several promotional videos for Amateur Radio, donating his time and talent. He also credits the hard-working crew behind the camera and the folks who work on post-production, where the finished product is made.

We need his fine work too!

- Editor

### Advertising Sales Representative Needed

Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebneter, K9EN, 822 Waquna Trail, Portage, WI 53901. Telephone (608) 742-3560.

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Commodore MPS 803 printer, Commodore 1541-II disk drive w/ps, Sakata green monitor, Cinemaware "WARP SPEED" cartridge, Kantronics "Pacterm" cartridge, Commodore Modem "1200," 2 FSD Excelsior Plus disk drives for Commodores, Commodore tape drive. Software Paper Clip, Bank Street Writer, Value Word w/spell checker, Textpro II/Datapro II, BCI Database, Printed Word Plus Calc, Mail List Manager, GEOS 1.5 and Q-Link. All in good working order, and the price is right. Jim Burcum, K9LBX, LW6588 Flint St., Onalaska, WI 54650. (608) 783-1611.

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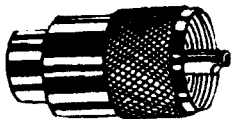
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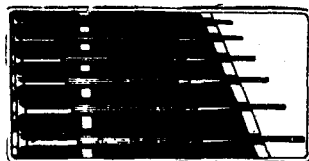
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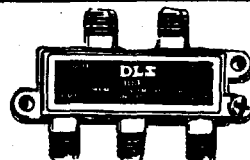
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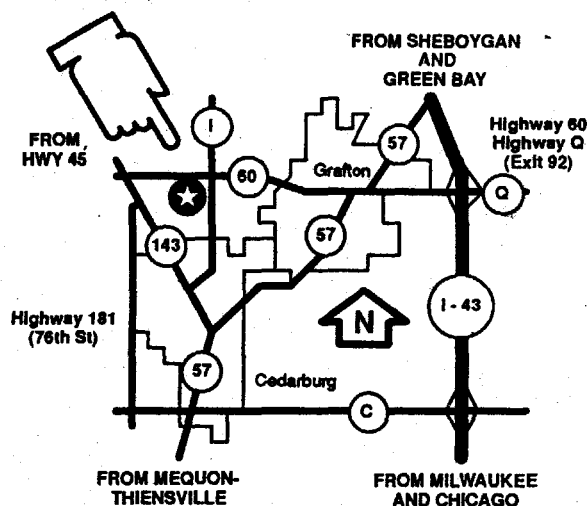
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The OZAUKEE RADIO CLUB presents its 15TH ANNUAL  
Radio and Computer

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SATURDAY, MAY 1, 1993  
8:00 AM to 1:00 PM

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ARRL SANCTIONED  
PLENTY OF FREE PARKING  
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c/o Gary Sharbuno, WI9M  
5119 W. Willow Road  
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(414) 355-0237

Bring the original PLUS a COPY of your current ham license plus another form of I.D.

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Selling permitted in assigned areas only. Please, no smoking in the swapfest area.

TALK-IN: 146.37/97 and 146.52

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# Clubs and Organizations



## Riverland Amateur Radio Club

Dick Low, K0JYB,  
Secretary

Club mail address: P.O. Box 621  
Onalaska, WI 54650



### MEETING MINUTES MARCH 2, 1993

The March meeting of the Riverland Amateur Radio Club was called to order by President Bob, N9LZK, at 7:06 p.m. There were no visitors and 31 people were in attendance.

The minutes of the February meeting were read by Secretary Dick, K0JYB and the minutes were as read.

The treasurer's report was given by Duane, W9HWQ, and accepted as read.

### COMMITTEE REPORTS

**TESTING:** Rick, KV9U, reminded us of the VE tests to be held on March 25th at 7 p.m. at the Church of Christ at 3506 So. 28th St. in La Crosse. Walt, AA9AW, asked for VE volunteers to help at the above mentioned testing time.

**HAMFEST:** No report as Judy, N9LGV, was absent.

**TECHNICAL:** Van, WA9FIO, reported that the repeater is picking up far away signals which is normal for this time of the year. It is possible to command the repeater to go to sleep during these periods of interference and to command it to wake up again by using the touchtone access mode. The audio voter board has arrived and Van is collecting parts for the project and there will be no cost to the club upon completion.

In order to make a remote receiver work, it will require a 2 meter receiver and a small 220 transmitter. Van has the old control transmitter, and Duane, W9HWQ, has the old VHF engineering RTTY receiver and we will require a couple of antennas to complete the project.

Van also presented a hand out on DIGITAL COMMUNICATIONS written by his brother Joel, K9TBD. Joel writes a

digital column for the Delaware-Lehigh Amateur Radio Club and is a general, not micro-technical approach to the subject. There is a series of reports, and a new report will be handed out each month at our regular meetings. Members must attend the meetings to obtain the reports. You will have 24 of the reports by the end of the year.

### OLD BUSINESS

Kent, W9LZQ, reminded us of the SKY WARN training session to be held on Saturday, March 13, 1993 at Cowley Hall on the UW campus in Rm. 100. The meeting starts at 9:30 a.m. If you plan to participate in Sky Warn activities this summer, you are urged to attend the training session. Sky Warn spotters should have the training every two years.

### NEW BUSINESS

Secretary Dick, K0JYB, presented a budget proposal for year 1993. A discussion was held regarding the budget. We will have a better idea by April 1993 when we recount paid up members.

**PROGRAMS:** Mike, N0BSH, reported that he does not have a program for this evening, but will have one for the April meeting. W0AIH will present next month's program.

**COFFEE:** Joe, WA9SOQ, reported that Scott, N9RWJ, has a new job and will be unable to attend the meetings and take care of the coffee. We are looking for a new coffee person.

**440 REPEATER:** Kent, W9LZQ, suggested that we form a committee for the 440 repeater, and that a fund raiser be started for the repeater project.

Meeting adjourned at 7:44 p.m.

Submitted by Dick, K0JYB

## Racine Megacycle Club Profiles

By Bill Komistra, W9OVZ, 5101 Graceland Blvd., Racine, WI 53406

### Robert N. Jensen, W0WLN

Now, here is an unassuming, rather quiet, and very busy radio amateur.

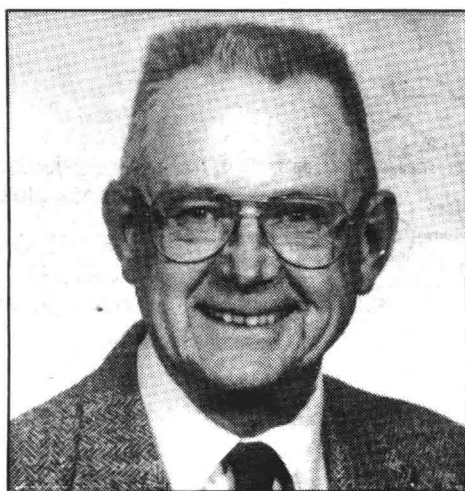
He came into this world on May 26, 1921, but did not immediately get his ham license; that happened in May, 1949. He upgraded to Advanced Class in May of 1950 with the call sign W0WLN. It seems like everything was happening in May.

Bob's station equipment consists of the following: Ten-Tec Paragon, Alda 103, Kenwood TR-7625, TR-7730, TR-7950, TH21A, Gonset GSB-2, Santec ST-220-ET, Standard SR-C146A, Swan FM-1210-A, and an Icom IC-25A.

The W0WLN antenna farm is almost entirely in the attic, where there is a 3-band dipole, 2-meter J-Pole, 1/4-wave ground plane, DF 3-element beam. There is a flag pole vertical outside. (Whew! What a layout! Bob lives in a condo, where there are restrictions on outside antennas.)

Construction projects are many. He homebrewed all antennas, power supplies, antenna tuner, most test equipment, cabling for it all, along with computer wiring and surge-protected outlets.

Bob's introduction to ham radio was through a communications technician at an air base in Canada in 1948, where he was loaned an ARRL Handbook. He read it from cover to cover. Other Air Force techs also helped him to get started.



Bob Jensen, W0WLN

He has been with the Racine Megacycle Club since 1986. He was a member of the Denver Radio Club from 1949 until 1986. Bob was instrumental in starting QCWA Chapter 162 (treasurer) in Racine. He is a charter member of the local 10-10 chapter, is treasurer of the Lakeshore Repeater Association, and was a member of the Belgian Amateur Radio Union from 1955 until 1958.

Bob retired from the U.S. Air Force and went into business with a small elec-

## Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

### RACINE MEGACYCLE CLUB MEETING • MARCH 8, 1993

The meeting was called to order at 7:30 p.m. by Vice President Gary, N9MJH, with President Dick, W5ONL, not able to attend. Treasurer Dave, WB9ZIO, was also absent due to a move to a new job.

All Hams (25) introduced themselves with names and call signs.

The Minutes as presented in the *Badger State Smoke Signals* were approved, with minor corrections.

### NEW BUSINESS

Gary, N9MJH, read a letter from President Dick, W5ONL, regarding a request by him to install an antenna on top of the existing antenna on the Red Cross building. A motion was made and approved.

Joe, KB9HSJ, reported on the arrangements for running the upcoming Wisconsin QSO party. Anyone interested please contact Joe for helping him run the contest at his house.

Cheryl, WS9P, reported on the upcoming Hamfest, which is part of Racine Toys For Big Boys. Correction: The address to the testing site was wrong. It will be only Saturday, June 22, at the First United Methodist Church 745 Main Street. There will be a shuttle bus from the Festival Site to the test site for those trying for upgrades. There is still a need for volunteer (Extras) examiners.

Steve, KB9HST, is now in a nursing home.

Dan, KA9OIL, reported on the last successful Hidden Transmitter Hunt. The winners were Dan, KA9OIL, Dave, KC9-NG, with his wife and N9GYG.

Joe, KB9HSJ, gave out free printed copies on Hidden Transmitter Hunt equipment. Please contact Joe for more information.

Larry, WA9JMO, reported on the latest information from the sister radio club in Irkutsk, Siberia. The letter took two and a half months. The Russian club, which is located close to Lake Baikal now has some 400 members. Larry is leaving shortly for another trip to Russia. He hopes to contact the Hams in Irkutsk and establish some schedules. He will also bring some donated radio equipment.

### OLD BUSINESS

Bob, W0WLN, gave the treasurer's report. The new balance is \$464.33.

Gary, N9MJH, introduced the revisions on the Bylaws. Bob, W0WLN, distributed the changes to those present. There will be a vote to accept them at a future meeting. Those who did not attend will get them by mail.

Dan, KA9OIL, showed a video taken at the Ham Dinner which was taken by Ray, WB9LST.

tronic parts store in Colorado. He also owned and managed properties during that time (1963-1986).

One of his biggest ham experiences was operating a ham station in Belgium with the call sign ON4XW. He was DX to many U.S. stations from that location. He opened the first MARS station on Lowry Air Force Base in Denver under the call sign K0FAM/AF0FAM.

How does he relax? It seems as though he doesn't, judging from the preceding story, but actually he does. Social contacts with other hams, reading, do-it-yourself projects, fishing, and stamp collection are his "unwinders." Last year, Bob and I went smelt fishing off the jetties

## HAM CALENDAR Courtesy Racine Megacycle Club

Apr	3	.....	Testing at Red Cross
Apr	4	.....	Hamfest at Madison
Apr	12	.....	Megacycle Meeting
Apr	18	.....	Hamfest at Rockford
Apr	27	.....	Lakeshore Club
Apr	30	.....	Fox Hunt

May	1	.....	Testing at Red Cross
May	1	.....	Hamfest at Cedarburg
May	3	.....	Packet Group
May	8	.....	Hamfest at Manitowoc
May	10	.....	Megacycle Meeting
May	20, 21, and 22	.....	Hamfest at Racine

Jun	5	.....	Testing at Red Cross
Jun	6	.....	Hamfest at Princeton
Jun	7	.....	Packet Group
Jun	12	.....	Fox Hunt
Jun	13	.....	Hamfest at Stevens Point
Jun	13	.....	Hamfest at Willow Springs
Jun	14	.....	Megacycle Meeting
Jun	25	.....	Fox Hunt

Jul	5	.....	Packet Group
Jul	10	.....	Hamfest at Oak Creek
Jul	12	.....	Megacycle Meeting
Jul	23	.....	Fox Hunt
Jul	24	.....	Hamfest at Eau Claire
Jul	27	.....	Lakeshore Club

Aug	2	.....	Packet Group
Aug	8	.....	Hamfest at Peotone
Aug	9	.....	Megacycle Meeting
Aug	20	.....	Fox Hunt

Sep	4	.....	Testing at Red Cross
Sep	4	.....	Fox Hunt
Sep	6	.....	Packet Group
Sep	12	.....	Hamfest at Joliet
Sep	13	.....	Megacycle Meeting
Sep	17	.....	Fox Hunt

Oct	2	.....	Testing at Red Cross
Oct	4	.....	Packet Group
Oct	10	.....	Hamfest at Waukesha
Oct	11	.....	Megacycle Meeting
Oct	15	.....	Fox Hunt
Oct	26	.....	Lakeshore Club

Nov	1	.....	Packet Group
Nov	6	.....	Testing at Red Cross
Nov	7	.....	Hamfest at Kaukauna
Nov	8	.....	Megacycle Meeting
Nov	7	.....	Hamfest at Kaukauna
Nov	12	.....	Fox Hunt
Nov	27	.....	Fox Hunt

Dec	4	.....	Testing at Red Cross
Dec	6	.....	Packet Group
Dec	10	.....	Fox Hunt
Dec	13	.....	Megacycle Meeting

The Goodie Box was given to Dave, N9HSG.

The meeting was adjourned at 8:45 p.m. Most Hams headed for the common restaurant for coffee.

Respectfully submitted:  
Arne, KA9ZPY, Club Secretary

in Lake Michigan, where we got a five-gallon bucket of smelt in a couple of hours. They sure make delicious eating.

Bob's wife, Gladys, was a Novice, WN0LOD, in 1951, but lost her license when she did not upgrade (Novices had a one-year license, which was not renewable.)

One more item: During World War II, Bob was a P-38 fighter pilot. He was shot down over Germany, where he was a prisoner of war (POW) for one and a half years. He has narrated his experiences as a POW to a number of local clubs.

The Racine Megacycle Club should be honored and proud to have Bob Jensen as a member. □



## Taylor County Area Amateur Radio Club

Bernard Jari, KA9WDX, Secretary

W3159 Hanley Lane • Medford, WI 54451-9589

### TAYLOR COUNTY AREA AMATEUR RADIO CLUB MEETING ANNOUNCEMENT

The regular monthly meeting will be held on Thursday, April 1, 1993 at 7 p.m. in the Emergency Government meeting room/Red Cross office, located in the basement of the sheriff's annex to the Taylor County Courthouse, on the corner of 2nd and Ogden Streets, across the street from the phone company in Medford, WI. Talk-in will be on the 147.750/147.150 repeater, located at the N.T.C. Branch Campus.

### MINUTES OF THE MARCH 4, 1993 MEETING

The meeting was called to order by the president, Tom Hrdina, N9GEN, at 7:12 p.m. Present at the meeting were: Cliff Steevens (WA9YCT) and Bernard Jari (KA9WDX) from Medford, Bob Braun (KB9BLV) and Jack Pagel (NZ9U) from Dorchester, Mike Schoenfuss (N9GHZ) from Abbotsford, Tom Hrdina (N9GEN) from Gad, Jim Sahr (N9IFA) from Lublin, Joanne Lundgren (N9QVX) from Sheldon, and guest Lester Laub from Medford.

The reading of last month's meeting minutes were dispensed with, as most of last month's meeting were printed in *Badger State Smoke Signals*, and everyone present agreed to not have them re-read.

The treasurer's report was read by the current treasurer, N9QVX, and was approved as read.

Some members commented that they were surprised to see that Mike, N9GHZ, made it to the meeting five or ten minutes early, was able to get to the meeting before they were able to, and stated that I should be sure that I would state so in the club's newsletter.

### NEW BUSINESS

Mike (N9GHZ) mentioned that he was contacted by the Merrill Repeater Association (MRA), the sponsors of the

146.370/146.970 repeater, and was informed that they received some commercial 6 meter repeaters, two of which they have already given away, one of which they are keeping for themselves, and one that they are considering giving to a club that will put the repeater to good use, mainly to re-crystal the repeater for the 6 meter amateur band, and to get it up and running as a 6 meter voice repeater. They are taking letters from the area clubs to try and determine who the best candidate is to receive the free repeater system.

The repeater comes with the duplexers and autopatch. By the time you read this, they may have already decided who they will give it to. Mike (N9GHZ) makes a motion to have a letter written or typed by the club secretary stating that there isn't enough interest by the club members at this time in the 6 meter repeater, as only a few members have 6 meter equipment, and those members only have SSB and CW, no FM. Also, we are "busy" enough with keeping a two meter repeater on the air, and we are also in the process of getting the Emergency Communications Bus equipped with Amateur Radio gear, so we will be tied up with these projects. Bernie (KA9WDX) seconds the motion and the motion carried.

Mike (N9GHZ) mentioned that he received a letter from the Wisconsin Department of Transportation with regards to the Adopt-A-Highway program that was dated February 12, 1993. In the letter it states that our club has been approved for the segment of Highway 64 west of Medford from Sunset Road to Wren Drive. However, since it had been about a year since the club heard from the WI D.O.T., there had been a motion made and seconded with a voice vote, at the December meeting, to abandon our application.

Mike read a copy of a letter that he had sent to the D.O.T. stating our current position on our Adopt-A-Highway program application which will be "filed" with the club's records. The members present stated that Mike did a good job in the way the letter was written.

Mike (N9GHZ) mentioned that he received a letter written by the MARS state director, Richard C. Trempe (AA5-WI), asking for help from Amateur Radio

operators in Wisconsin. In the letter it states what MARS is, what their mission or purpose is, what they do, who to contact for more information, and that they do not have all areas of Wisconsin represented, so they would like to see if any hams in those areas not already covered would be interested in joining the MARS organization. For more information on the Military Affiliate Radio System (MARS), you can contact one of the following MARS personnel:

Mr. Alan E. Murray, 600 7th St., Hudson, WI 54016, home (715) 386-5333; Mr. Jonathon E. Case, 2113 W. Mead St., Eau Claire, WI 54703, home (715) 834-1540; Mr. Richard C. Peitso, Rt. 5 Box 243, River Falls, WI 54022, home (715) 359-4977; Mr. Gustav C. Bonow, 961 Wisconsin River Dr., Port Edwards, WI 54469, home (887) 3962; Mr. John T. McNamara, Rt. 3 Box 3490, Washburn, WI 54891, home (715) 373-5863; Richard C. Trempe, 2818 Pine Ridge Blvd., Wausau, WI 54401, home (715) 848-8095.

Mike (N9GHZ) Emergency Coordinator of the Clark and Taylor County Amateur Radio Emergency Service (ARES) stated that there would be two Tornado Spotter training programs to be held on Wednesday, March 10, 1993. The first one being held at the Clark County Courthouse Board Room from 1 p.m. to 3 p.m., and the second one at the Owen High School Cafeteria from 7 p.m. to 9 p.m. The programs were free of charge and everyone was welcomed to attend.

Mike stated that he had spoken to the Emergency Government Director of Taylor County, Roland Sacho, and Roland had stated that the National Weather Service (NWS) had not gotten back to him as far as finding out if Taylor County could hold the tornado spotter program, and what the date of the program would be.

Mike (N9GHZ) stated that Marc Winzenried (WA9ZCO) from Dorchester had removed parts from working electronic equipment, and that these parts would be available free of charge to electronic experimenters. For more information and/or a list of parts available, contact Marc at (715) 654-5316.

Mike (N9GHZ) passed around a handout which covers information on the upcoming testing session to be held on May 1, 1993 at the Fairgrounds here in Medford. The handout is a copy of the notice submitted to *Badger State Smoke Signals* and which appeared in the column "The Test Point" last month.

Mike also discussed what had been done to the repeater on February 18, 1993. The SWR and power was checked, and it

was found out to be about a 1:2.2:1 SWR with only 3 1/2 watts output. The transmitter should be getting at least 10 watts out. The SWR and power readings were checked both between the duplexer and feedline, and between the transmitter and duplexer. There was a suggestion made that the transmitter be checked into a dummy load.

There was a motion made by Mike (N9GHZ) to get a new transmitter for the repeater, the motion was seconded by Bob (KB9BLV), and the motion carried. It was stated that just about everything has been replaced with new equipment, except the transmitter, so we decided that we should also replace the transmitter. Mike (N9GHZ) stated that he would look into prices on 100% duty cycle transmitters for use with repeaters, and would bring this info to the next club meeting. It was discussed that the transmitter should have from 25-50 watts output power, and it was agreed to by the club members present.

Mike (N9GHZ) makes a motion to adjourn, was seconded by Tom (N9GEN), and the motion carried.

The meeting was adjourned at 8:06 p.m.

Following the meeting, there was a movie shown by Mike (N9GHZ) called *More Than Radio*. The movie lasted approximately 20 minutes and was enjoyed by all.

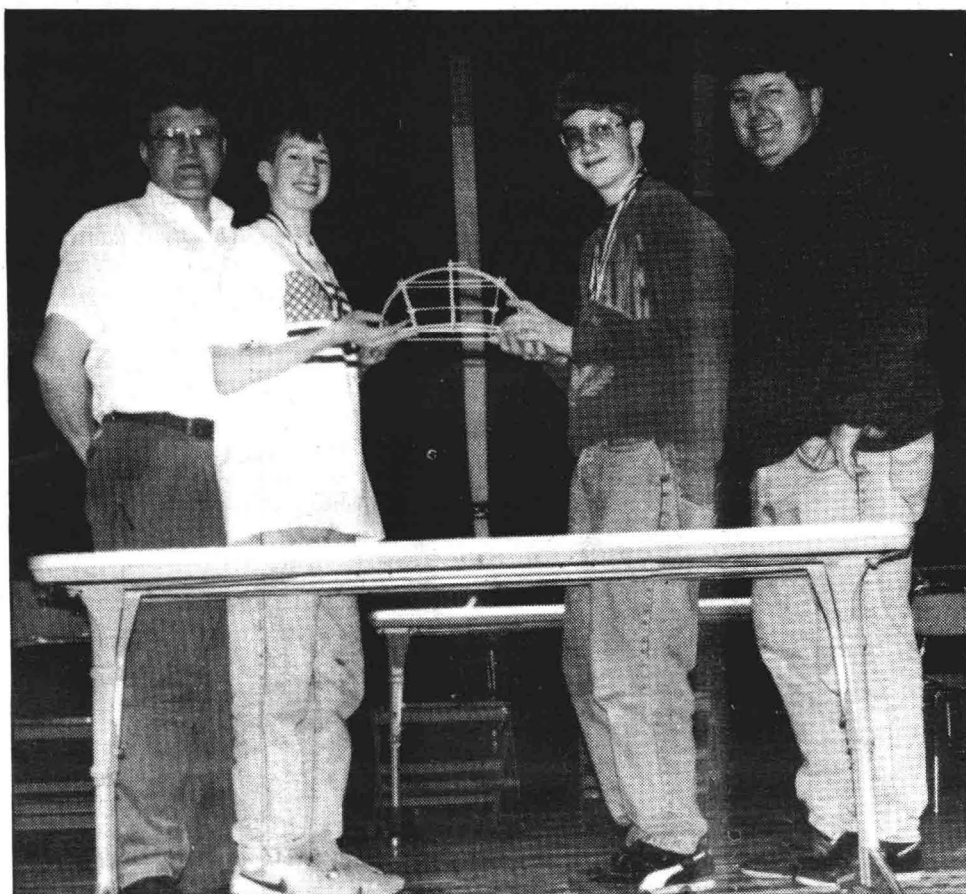
(Secretary's note: It has been brought to our attention that using the term "Polish Razzberry" may be offensive, so it was decided during the club meeting while in an informal discussion that we would no longer be referring to the interference experienced on the repeater as the "Polish Razzberry."

This was brought up during one of our weekly ARES nets which are held on the Medford repeater starting at 8:30 p.m. on Wednesday nights. Either the party was offended, or he was expressing his concern that it may offend others. It wasn't meant to offend anyone and, if it did, we apologize. It was started some years ago when we started to experience the problem, and the members at that time wanted to "ease the pain," so to speak.

If anyone hears of anyone referring to the interference as the "Polish Razzberry," either on the air, in person, or by some other means, it would be appreciated if you inform them that that term will no longer be used by the members of the TCAARC. Thank you.)

Respectfully submitted:  
Bernard L. Jari, Secretary

## Racine Science Olympiad Winners



In February, the Racine Unified School District, in conjunction with the local Kiwanis Club, sponsors a Science Olympiad for middle and high school students to emphasize the use of skills and knowledge learned in the classroom. Representing Gilmore Middle School were three bronze medalists: Tracy Roscizewski (KB9HVC), Jim Miller (N9SGO), and Mark Lewno (KB9HVD). Mark, Tracy, and their teammates placed third in the Pentathlon. Besides traversing five obstacles on the course, they had to stop at various stations to answer science questions. Jim and his partner, Brian Hunt, attempted to design and build the lightest bridge capable of supporting a given load (44 pounds) over a span using designated materials. Their bridge weighed 48 grams, and held all 44 pounds. Shown with the bridge are Gary Miller, Jim Miller (N9SGO), Brian Hunt, and Tom Hunt. Gilmore came in second place in the district contest. Their coaches were Anne Rocheleau and Marie Fowler, both science teachers at GMS. - Photo and story courtesy Cheryl Miller/WS9P

## Mancorad Radio Club

John Meyer, NZ9Z, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204

### MEETING MINUTES MARCH 10, 1993

The March meeting of the Mancorad Club was called to order at 7:30 p.m. by President Chuck Smith, N9KGL. In attendance were 20 members. The treasurer's Report was read by N9-IQZ, and was approved as read. The minutes of the February meeting were approved as published in the *Smoke Signals*.

### OLD BUSINESS

Chuck, N9KGL, reported that the repeater was up and running with the new transmitter and final amp. The repeater is still experiencing some problems and must be checked out for thermal shutdown.

Chuck also gave a report on the sale of the truck. The three trucks suitable for parts have not been sold yet. There is one buyer interested in the W9DK truck.

After a short discussion, permission was given the Hamfest Board to have a raffle of a MFJ antenna analyzer at the May 8th Hamfest.

According to Ron, WS9X, classes are doing very well. The code class on Tuesdays and the regular class on Thursdays have a very high attendance. Students will be ready for testing shortly. Al, KA9-

YGO, suggested that the club order some brochures from the ARRL to hand out to the students concerning operating procedures.

A motion was made by Red, N9-GHE, and seconded by Al, KA9YGO, to purchase new rope for the club gin pole.

### NEW BUSINESS

The Manitowoc Library now has the new 1993 *Call Books*. They are located in their reference section for anyone to use. Please note that there is also a set in the club room.

A motion was made by Red and seconded by Dick, N9QFY, to purchase 16 chairs for the club room. These chairs will make it much easier for students during classes to take notes.

Red volunteered to plan the Spring Banquet for May 8th, the night of the Hamfest.

A packet demonstration was given by Mike Willman, AA9AA, and Dave Jaeger, WN9Q.

A motion was made to adjourn by Red, seconded by Tom, KB9GRC. Meeting adjourned at 8:25 p.m.

Submitted for approval:

Ron Schaden, WS9X, Acting Secretary



## Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

### MARCH 9, 1003 MEETING MINUTES

The meeting was called to order at 1934 local time by President Bill Jablonske, W9NNS.

Secretary Jim (N9LIJ) read the minutes of the last meeting, which were accepted by the membership.

Sue (KB9EUP) read the treasurer's report, which was accepted.

March birthday greetings to the following club members:

K9UXP	Don Alm
N0AKC	Charlie Betz
W9HUT	Ray Dietzler
K9BDN	Jim Fering
N9LIJ	Jim Fitzl
N9NY	Bill Kraft
N9LHV	Jim McCarthy
WD9AQO	Chester Smuhl
NQ9X	Ed Van Sickle
K9CXZ	Bob Kiefer

### OLD BUSINESS

**Cards for repeater users.** Following a brief discussion, the club voted to have some repeater cards printed up. These will be a set, consisting of a visor card and a wallet card. Samples will be prepared for approval prior to final printing.

**Repeater welcoming committee.** The following have volunteered to make a special effort to monitor the repeaters and welcome visitors and travelers to our area and to the repeaters:

Fred	KC9NN
Jim	N9LIJ
Leroy	N9RSU
Bill	W9NNS
Andy	KA9HWN

**No-code Technician classes.** Mike (N9JMA) mentioned that one club is of-

fering crash courses for ham radio. These classes are 8 hours in a single day, followed by the exam, and the students are guaranteed to pass. Don (WD9IJY) thinks that this should be tried. Others are not so sure that such an arduous course is the way to go.

KA9HWN suggested manuals for instructors, possibly on computer disk. Jim (N9LIJ) noted that instruction materials are available through ARRL, and possibly we should make use of those.

**Speed dialing on the K9UXP repeater.** Bert (W9ZZI) noted that some people may not be aware of an individual's speed dial number and inquired as to whether this feature would interfere with normal dialing of the number. He noted that 911 cannot be dialed normally, only with the speed dial feature. Joe (KB9R) pointed out that this is a function of the controller not being able to recognize 3-digit numbers as legitimate phone numbers and therefore not accepting them. With normal phone numbers, this is not a problem, and they can be dialed either normally or via speed dial.

**ARRL membership over 51 percent.**

**W5YI licensing proposal.** After a brief discussion, KC9NN made a motion to have the club secretary prepare a letter to W5YI in support of his proposal to streamline and simplify the Amateur Radio licensing structure. This motion was seconded by KA9HWN, and passed by a large majority.

**Ham radio demonstration for Memorial High School.** N9LIJ has been in contact with Charlie Carpenter of Memorial High School concerning a ham radio demonstration for the electronics classes there. The date is tentatively set for Friday, March 12 throughout the school day. The demonstration will consist of HF and VHF operations. Students at the school will build a 40M dipole antenna for the

purpose. Club members who will be available to assist are KA9HWN, W9NNS, W0OCZ, and W9BAR for the possible loan of a rig.

**RAIN dial-up for Sunday night net.** W9NNS played a tape of the RAIN dial-up program that has been proposed for use on the Sunday night 2-meter net. This program is available at any time through the repeater autopatch. After some discussion as to the cost of phone calls and what happens if someone accesses the program at the same time we would want it, a motion was made (W9BAR) and seconded (KC9NN) to give the program a try. The motion was carried.

### NEW BUSINESS

**ARES net time change.** Jeff (N9-JMB) would like to find a new time for the ARES net. The first Monday of every month was suggested, since this coincides with emergency government testing.

**SKYWARN class to be held at Myrtle Worth Hospital in Menomonie on March 27 from 1 p.m. to 4 p.m.** If interested, you must register in advance with Tom Johnson, Dunn County Emergency Coordinator. You can check with Steve Hart (KA9OMC) for details.

N9JMA has sent mailings to individuals interested in exhibiting at our Hamfest in July. He is looking for any suggestions for exhibitors we would like to see there.

N9JMA also has some 6-meter repeaters obtained through emergency government. The Chippewa County Sheriff has said he will allow an antenna on his tower for emergency use. Some of these repeaters are also to be used for packet. He also mentioned the possibility of obtaining some additional 6-meter handheld units for emergency use.

W9NNS has acquired 7 of the mobile units from this lot for WAPR. A new 6-meter backbone is being planned to link Canada and the Upper Peninsula to Wisconsin.

KA9HWN reported on the club trailer. A surge brake unit is available for the trailer. The lights must also be rewired and some of the light lenses replaced. KA9GTF has donated some light lenses for this project. He wants to get this work done as quickly as possible so we can get the trailer licensed by spring. He suggested

that we get someone to volunteer to pull the trailer to any event in which we may participate for use as a base and also for the publicity it may gain for us. The major concern is finding one someone with a pickup who is willing to pull the trailer.

W9ZZI made a motion to purchase the brake unit, seconded by KC9NN, and carried.

N9RSU brought up the matter of the difficulty in bringing up the autopatch on the KA9ELD repeater. He thought that perhaps the controller should be replaced. N9JMA asked about the number of calls on this machine and wondered if maybe the autopatch should be disconnected to save the club money. KB9EUP said that there are usually more calls placed on the K9UXP autopatch. A number of members stated that they would use the KA9ELD autopatch more if it were easier to bring it up. W9BAR pointed out that the autopatch is costing the club nothing, since the phone line must be there for control of the repeater anyway. W9NNS said that it is now legal to control the repeater by radio. Perhaps it is then feasible to drop the autopatch from this repeater. KC9NN mentioned that if it is necessary to bring down the repeater and a stronger signal had captured it, then control via radio would not be feasible. WU9R recommended that this matter should be referred to the repeater trustees for consideration.

KC9NN also brought up the problem of intermod on the KA9ELD machine.

WU9R has the autodial information available for those who requested it.

### GENERAL

- W0OCZ brought an MFJ regenerative receiver kit for the group to inspect.

- W9ZZI has SKYWARN videos available for us to see. N9JMA has a video of F0 and F1 tornados. He will bring this to a future meeting for anyone who wanted them.

- W9BUG left some old copies of QST and 73 magazines for anyone who wanted them.

- Lunch committee for next meeting: Fred (KC9NN) and Bert (W9ZZI).

Next meeting will be April 13, 1993, at 7:30 p.m.

The meeting was adjourned at 2103.

Respectfully submitted:  
J. Brennan Fitzl (N9LIJ)

## Sheboygan County Amateur Radio Club

Steve Meifert, KF9KZ, Secretary

1525 New Jersey Avenue • Sheboygan, WI 53081

The March 9, 1993 meeting of the Sheboygan County Amateur Radio Club was called to order at 7 p.m. by President Chad Christianson, N9HMR.

A short recap of the Valentine Banquet, and a list of announcements were read by Steve, KF9KZ, and the treasurer's report was given by Luiz, KA9HUF.

Instead of Introduction of Guests, Chad, N9HMR, decided to try something new. Everyone was asked to introduce themselves, by name and call. This seems to be a good way for everyone to get acquainted.

Net Control Operators were solicited for our 7 p.m., Monday evening net on 147.06+ (PL 107.2). Check in!

### COMMITTEE REPORTS

There was no report from the Technical Committee.

**FIELD DAY '93:** Things seem to be going well as we look ahead to Field Day. We will be on site at Taylor Park at 8 a.m. Saturday morning, June 26. There will be 3 stations in operation, but we still need a Novice/Tech to come forward to be in charge of a Novice Station. We need a few of the basics yet: coax, extension cords, etc. If you would like to help make this our most fun event yet, please give me a call.  
- Steve, KF9KZ.

### OLD BUSINESS

A Fox Hunt is scheduled for Saturday, March 13 at 1 p.m.

### NEW BUSINESS

The Club is looking for a new Emergency Coordinator to relieve the extended term of Rob, KB9AFT. The EC is the club's liaison with the Red Cross. If you are interested in leading our disaster communication service, please contact Rob, KB9AFT or Chad, N9HMR. This is open to all members, but it would be beneficial to hold a Technician Class License.

Hams are also needed to serve on our Emergency Phone Circle. In case of disaster a telephone chain is used to alert Hams when their assistance is needed. If you can help, contact Chad, N9HMR.

As of the April meeting our repeater will be put on full time PL access. We are finally putting an end to the annoying kerchunking. The tone will be 107.2 Hz. Steve, KF9KZ, has volunteered to help anyone having trouble installing a tone encoder.

The annual computer fair at Mead Public Library is coming up on Saturday, May 1st. Anyone interested in setting up a Ham related computer display should contact Al, NF9R.

The annual Bike Ride Plus will be held on May 15th. Volunteers are needed to provide communication along the course. Contact Chad, N9HMR.

The Club's Activity Award is presented monthly to the Member who has shown proof of the most number of contacts for the preceding month. Bring your log to each meeting for verification. If you

have any questions see Penny, KB9BJM. This month's winner was Penny, KB9BJM!!!! Penny managed over 400 Q's in last weekend's contest. Congratulations Penny!

A reminder from that nominations for club officers (Vice-Pres., Sec., Treas., Novice Rep., and Exec. Board) will be accepted starting now through the elections at the May meeting. If you would like to nominate someone, or yourself, or if you have any questions, see Penny, KB9BJM.

Last, but not least, during the course of the last year there were many who gave of themselves for the betterment of the club and ham radio in general. When you enjoy the hobby, you feel a desire to give something back to help it grow. This is a very gratifying part of Amateur Radio. There are three Hams who stood apart from the rest, and in recognition of their service and dedication, special awards showing our respect and thanks were

presented to:

Lyle TenPas, WE9R  
Alan Martell, NF9R  
Tom Hetzel, AA9BJ

The meeting was adjourned at 7:45 p.m.

After the conclusion of our regular business we had the honor of meeting Dave Schmocker, KJ9I, from Manitowoc, WI. Dave showed us his slides and gave a very interesting talk on his experiences with the VP8SSI South Sandwich Island DXpedition. We thank him greatly for taking time out of his busy schedule to come south for an evening I know we won't soon forget. Our hats are off to him for a fine job in miserable conditions.

Respectfully Submitted,  
Steve Meifert, KF9KZ



Dave Schmocker, KJ9I, left, was part of the DXpedition to South Sandwich, where he spent two weeks operating VP8SSI. He presented a slide/talk show to the February SCARC meeting. He is shown here with club Vice-President Penny TenPas, KB9BJM. For those interested in having Dave give his VP8SSI presentation to your club, his number is (414) 726-4810. Another SCARC photo is on page 13.  
- Photo courtesy of KA9HUF



## WATTS SNOO



WB9QFW 2-Meter Repeater 146.07.67 and Club Station

P. O. Box 847 • Plover, WI 54467

MEETING MINUTES  
MARCH 10, 1993

Lori Jasper

KA9ZGD

## Members present:

Gordon Miller  
Steve Kochanowski  
Mike Urban  
Frank Guth  
Mike Pagel  
Raymond Dix  
Joann Dix  
Frank Podach  
Mike Peters  
Dave Olson  
Loren Larson  
Ken Slusarski  
Paul Nelles  
Dean Andrewjeski  
Mary Eiden  
Gene Kroll  
Deb Kroll  
Leo Lieble  
Dave Golla  
Jim Benak  
Mary Olson  
Joe Omernik  
Ron Howe  
David Tamres  
Scott Jasper

KE9IA  
KB9IIE  
KB9GXV  
WB9CC  
KA9LAQ  
KF9BG  
N9NOG  
N9JQR  
W9GHY  
N9JQU  
N9SEA  
N9SDW  
K9DB  
AD9W  
KA9FAS  
KE9MA  
N9EIL  
W9NYS  
N9OVT  
KA9ACE  
N9CGV  
N9JH  
KB9IIF  
NE9U

Scott, NE9U, presented the treasurer's report. Although the club is currently in pretty good financial condition, we were reminded that the 985 and 67 repeaters will be undergoing upgrades in the next year. We will need a successful swapfest and raffle to be able to pursue these projects.

Art, N9BCA, reported that the club's acquisition of 6 meter repeater equipment is still in limbo. We should know whether we will be receiving the equipment by the next club meeting.

After a year or two of not having a raffle associated with the CWRA SWAP-FEST, the raffle is back! Lori, KA9ZGD, our raffle chairman (who tricked her into the job?) gave an enthusiastic report. The main prizes this year will be a mountain bike, fish locator, and a gas grill. Numerous other prizes have been promised by local merchants. Each club member will be asked to sell a minimum of 30 tickets (piece of cake!).

Mike, KA9LAQ, gave us a Field Day report. Last year was the first year since the pilgrims landed that our club didn't participate. We hope to do better this year.

Our tentative site will be a vacant parcel of land next to W9NN's place. Bob promises to keep toilet fees the same as in past.. 25 cents for liquids.. 50 cents for solids. A pot luck supper/lunch will be planned for either Saturday evening or Sunday afternoon. Mike distributed a Field Day inventory checklist to everyone to get them thinking about what we need to bring for a successful field day. Mike will keep us all updated as Field Day approaches.

Mike, W9GHY, suggested that we might want to consider combining forces with the Waupaca group in lieu of each group going it alone this year. Each group seems to have the same problem.. not enough operators to keep things going all weekend. Nothing was decided on this idea.

Mike, KA9LAQ, reported that there will be a coax-pulling and antenna-raising party at the club station on or about March 18th. The purpose will be to get a wide area vertical running for the club's WB9-QFW PacketCluster node. Scott, NE9U, mentioned that if you still need a users manual for the PacketCluster node, they are available from the club at cost.

Frank, W9BCC, reported that WAR (Wisconsin Association of Repeaters) will not be requesting any dues this year.. now if we could only talk Clinton into doing the same! However they still want updated paperwork on our 67 and 985 repeaters. Frank will handle.

Joe, N9CGV, reported on some rather unflattering publicity hams received in a recent Fox Valley newspaper article. Apparently the newspaper was heavily biased against amateurs.

Lori, KA9ZGD, reported that she was asked by a local bike association to help with communications for a 60 kilo-

meter bike ride to be held in June. Since the bike ride is the same weekend as Field Day, we should have plenty of operators mingling around, and hopefully can send a handful out to help out. Watch for future updates!

Dave, N9JQU, gave his report on Special Olympics. The big change taking place this year is that the track at Coleman field has been condemned. So most track events will be moving to Goerke field. This will present us with the problem of needing to double our communications abilities. There will be two medical tents, two officials tables, two shadows, two of everything.. you get the picture?! Transporting the athletes will present an enormous challenge.

Special Olympics is in need of a transportation chairman. Paul, K9DB, proposed that an amateur from our club would be an ideal fit to the position. Talk to Dave or Paul if you are interested.

The business meeting was adjourned, and after a short break we were presented with a very interesting and informative discussion by Dave Tamres, KB9IIF, of the UWSP physics department. He told us about the current 11 (or is it 22?) year sunspot cycle, and comparisons to past cycles all the way back to the 1600's.

He also reported on his attempts to chart solar activity with a homebrew "radio telescope"...basically a shortwave receiver with a good pre-amp, a small loop antenna, and a pen recorder. Dave estimates that the current sunspot cycle will bottom out in 1997, and the next peak won't be until about the year 2001. Work DX while you can!

73 DE Scott Jasper, NE9U  
CWRA Treasurer

## Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

## Greetings, NWRC members and guests.

The last meeting of NWRC was the annual club auction, held at the American Legion Post 53 on Water Street in Eau Claire on February 23. The auction statistics are as follows:

Number of people attending .....	78
New ARRL members recruited .....	0
ARRL member renewals .....	0
New NWRC members .....	12
Badger State Smoke Signals renewals .....	3
New Badger State Smoke Signals subscriptions .....	3
Number of \$3 general admissions .....	31
NWRC membership renewals .....	17
Lunch fund generated .....	\$27.80
Hall rent .....	\$25.00
Weld damaged table leg .....	\$5.00
Total number of NWRC members after auction .....	84
Money generated from auction sale commissions, lunch counter, membership fees and general admission .....	\$532.60
Current club balance .....	\$604.49

The officers and members wish to thank the following for making the event a big success:

- ✓ W9QAH, Bruce Walther, for auctioneering. Great job, Bruce!
- ✓ Doug Farrell for helping the auctioneer.
- ✓ K9KGB, Bill Duncan, for donating the door prizes totaling over \$200.
- ✓ N9GOB and KF9CU, Viv Fenner and Arlene Kraft, along with Delores Wendt, for their help in the kitchen. Special thanks

to Delores for helping drive up the bid. Hi, Hi!

The Red Cedar Repeater Association wishes to thank NQ9X, WB9WKO, K9-KGB, and KE9BM for donating many items to them for their auction tables.

The NWRC has mailed out to the members the dues paid roster for 1993. Please correct N9KIP, Eric, to be spelled Erik. W9FIF, Lester, should be corrected to read K9FIF. Please contact the secretary about other mistakes on the roster.

Attached to the roster, you will find a fun and fund raiser activity sheet. Volunteers are needed to bring household items to N9NPE, Steve Young's house on April 23 at 6 p.m. for a sale on April 24. The activity is being sponsored for the Red Cedar Repeater Association, and will start at 7:30 a.m. and end at 2 p.m. on April 24. 100% goes to the club, and any items left at 2 p.m. will be donated to Goodwill Industries. The address is 1608 East Main Street, Menomonie.

Volunteers are also needed for work on the food stand at Don's Super Value, 503 South Broadway, Menomonie, on May 5, 6, and 7. The time for the activity is from 10:30 a.m. to 6 p.m. The menu is furnished, and you can sign up with the secretary or call at (715) 665-2374 to volunteer.

The next meeting of the NWRC is April 27 at the Peppermill Restaurant in the T-Bird Mall, Menomonie. Meeting time is 7:30 p.m.

Steve Hart, KA9OMC  
NWRC Secretary/Treasurer

## Sheboygan County Club Honors Members



Receiving special Awards of Recognition at the March meeting of the Sheboygan County Amateur Radio Club's March meeting were Lyle TenPas, WE9R (left); Alan Martell (right); and Tom Hetzel, AA9BJ (not in photo). With Lyle and Al is SCARC President Chad Christianson, N9HMR.

- Photo courtesy of KA9HUF

## STS-55 Flight Postponed



There are five hams in the crew of the postponed STS-55/Spacelab 2 flight (one shuttle engine failed 3 seconds before launch on March 22). In the front row are Terence Henricks, pilot; Steven Nagler (N5RAW), mission commander; and Charles Precourt (KB5YSQ). In the back are Bernard Harris, Jr., mission specialist; Hans Schlegel (DG1KIH), payload specialist; Jerry Ross (N5SCW); payload commander; and Ulrich Walter (DG1KIM), payload specialist. The flight will include an antenna comparison test between the normally-used SAREX window-mounted antenna and an antenna in the payload bay. There is a possibility that, with a 3-week delay before another STS-55 try, STS-56 (a high inclination flight) may fly before STS-55.

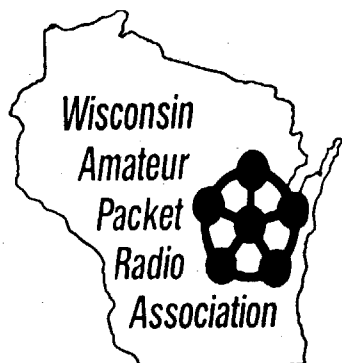
- Thanks to ARRL and NASA

## ARRL Responds to 222 MHz Proposal

Continued from front page

The League otherwise reaffirmed its support for the proposed new rules, most of which were based on earlier ARRL recommendations, including a small weak signal segment on the 222-MHz band and expansion of Novice Class privileges to include access to the entire 222-225 MHz band.





# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

William Schroeder, W9ZBD

4247 Forest Point Drive • Rhinelander, WI 54501

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

The regular material for PACKETEER was not received in time to meet the deadline. We are including a couple items from the bbs system.

## ARRL Bulletin 32

The FCC has proposed to change the responsibility for the content of amateur messages relayed by high-speed networks.

On March 22, 1993, the commission announced action in docket 93-85, in Notice of Proposed Rule Making 93-154, proposing to establish "A compliance policy for amateur stations participating in automatic message forwarding systems, to hold the licensee of the station originating a message and the licensee of the first forwarding station primarily accountable for violative communications.

"Under this approach," the FCC said, "Licensees of stations that only retransmit messages within a high speed message forwarding system would not be held accountable for communications they forward or their stations retransmit unwittingly.

"Under the current rules," the FCC said, "each amateur licensee is fully responsible for assuring that the contents of every transmission from his or her station complies with the rules. This requirement was not a burden when licensees sent each message manually. With the availability of digital technology, however, some licensees have tied their stations together into high volume, high speed message forwarding systems. The stations are configured so that each message is instantly retransmitted to its destination through a series of stations."

"Because message screening is difficult with these automatic systems and because screening at each station in these systems diminishes the advantage of high speed, the commission proposed holding accountable only the licensee of the originating station and the licensee of the first station in a high speed message forwarding system."

## ARRL Special Bulletin 3

For the third time in the past four years an ARRL dignitary has been named the Dayton Hamvention Ham of the Year. This year the winner is Harry J. Dannals, WZHD, ARRL president from 1972 to 1982. Dannals was cited for his three decades of volunteer work on behalf of Amateur Radio in ARRL positions ranging from section manager to the top spot as president.

Harry Dannals, 65, currently is president of the Quarter Century Wireless Club. He is retired from the Sperry Corporation and lives in Charlottesville, Virginia.

The Hamvention's Technical Excellence Award this year goes to AMSAT Vice President of Engineering and ARRL Technical Advisor Richard Jansson, WD4FAB. Jansson has volunteered his engineering expertise to a number of ARRL book and magazine presentations, and for AMSAT has helped in the design of several Oscar satellites. Jansson, 62, is retired and lives in Maitland, Florida.

Robert Adams, WA9ZMD, was picked for the Hamvention's Special Achievement Award, for his 3,328 phone patches run for military personnel during the 1991 Gulf war. That work earned Adams a place in the Guinness Book of World Records, according to the Hamvention Awards Committee. Adams, 46, is a decorated veteran of the Vietnam War. He lives in Palos Heights, Illinois.

Other recent Hamvention Ham of the Year winners include former ARRL General Manager and

International Affairs Vice President Richard Baldwin, W1RU, in 1992; John Johnston, W3BE, chief of the FCC's Personal Radio Branch, in 1991; and ARRL Hudson Division Director Steve Mendelsohn, WA2DHF, in 1990.

The 1993 winners will receive their awards at the Hamvention banquet on April 24, 1993.

## -- The Wouff Hong --

In an institution as old as Amateur Radio, traditions and symbols of the art appear and become part of it. Our traditions are many, among them our long record of self-policing, our dedication to public service in experimentation, our instant response to the call of our country in time of war. But of the symbols, only one -- aside from the ARRL diamond -- has become a part and parcel of the framework of Amateur Radio, the symbol of its finest traditions, its long and glorious history.

That symbol is the Wouff Hong. Every ham should know its origin.

It seems to us that now is a good time to retell the story of this famous and beloved part of the very fabric of Amateur Radio. Visitors to Headquarters and to WIAW seeing either the original or one of the many replicas in our buildings, ask what it means. New members of the Royal Order of the Wouff Hong, initiated during the midnight convocations of the Order at League Conventions, ask, "But where did it come from, in the beginning?"

It started back in 1917, in the very earliest days of the ARRL and QST, when an anonymous amateur, writing under the title "The Old Man", created a wonderful series of humorous stories in the magazine. In a pithy, irascible style he assailed all that struck him as criticizable about ham radio operation of the period in his famous "Rotten Radio" series, beloved to this day by all who read it. He pitilessly exposed the poor operating practices of the day, yet did it in a way which drew chuckles even from those recognizing themselves as the special targets of his ire.

In one of those stories, "Rotten QRM", he launched forth with examples of some of the poor sending cluttering up the band in a particular QSO to which he was listening. The gibberish included the words "wouff hong" which, apparently, was being used by someone on somebody else.

It turned out to be one of those priceless pieces of spontaneous word invention. Instantly, it caught on with the gang. Although T.O.M. himself admitted at the time he didn't know exactly what a wouff hong was, it quickly became something with which both to attack bad operating practices and to discipline their perpetrators. Within three months, the editor of QST found it necessary to write an editorial on the growing demand from the membership for wouff hong. How rapidly this situation might have developed had not World War I intervened is a matter of speculation. But the tradition had been established, the Wouff Hong created in the minds of thousands of amateurs as some mythical instrument of torture to be used in enforcing good operating practice in Amateur Radio.

When QST resumed after the war, one of its first contributors was T.O.M. In as early 1919 issue he contributed an article "Rotten Starting" to work off steam on the slowness with which our government was getting around to let us operate again. At the conclusion of this article appeared the following: "In the meantime...I am sending you a specimen of a real live Wouff Hong which came to light out here when we started to

get our junk out of cold storage. Keep it in the Editorial sanctum where you can lay your hands on it quickly in an emergency. We will be allowed to transmit soon and then you will need it."

The object was duly received at Hq. The Editor, fully mindful of the historic significance of the occasion, took the instrument to one of the first Board meetings, in New York, May 3, 1919, subsequently duly reporting in QST that "each face noticeably blanched when the awful Wouff Hong was...laid on the table". By an action still a part of the League's official records, that Board voted that the Wouff Hong be framed and placed on display in the Hq. offices of the League. There it remains to this day.

We know the significance of the Wouff Hong. We don't know the significance of its weird shape. Not even the beloved T.O.M. (revealed after his death, as none other than our first president, Hiram Percy Maxim) ever explained that. Nor was the precise manner of its use ever prescribed, although it perhaps may be guessed with a little imagination. But as the years passed, it continued to grow in the affections of amateurs the country over, old-timer and youngster alike. It became the inspiration of the Royal Order of the Wouff Hong, the amateur secret society of the ARRL convention. Today, it is thoroughly entrenched in the lore of Amateur Radio as its most sacred symbol.

The Wouff Hong! -- see it when you next visit ARRL hq.

## THE TEST POINT

(continued from page 3)

(except Novice) for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE/GRAFTON  
OZAUKEE (hamfest) May 1, 1993

## NOTE: CHANGE IN LOCATION.

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon. at Grafton State Bank, Grafton, WI. Walk-ins are welcome. CW waiver forms are available. Please send a request with an SASE prior to taking an exam, so it is ready when attending the session. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take, your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

## MERRILL, WI

April 13, 1993

Held at Merrill High School, Room 136, with registration at 7:00 p.m. and testing starting at 7:30 p.m. Walk-in accepted. Testing for all classes. Contact: Sherry, AA9CB, (715) 539-2000.

## OAK CREEK, WI (MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

Tri-County Swapfest at Jefferson, WI. (ARRL/VEC fee 5.60)

Contact Norman McNew, KB9QL, (414) 764-5998 or Joe Mettry, AA9DO, (414) 761-9219.



# MADISON, WI

VE exams are held in Madison every second Saturday morning of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.60, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark NZ9B

# EAU CLAIRE, WI

Held 9:00 a.m. to 12:00 noon at St. Olat's School on the North Lane in Eau Claire, WI., near the airport. Contact Carl Searing, W9NW. (715) 834-1303.

# MARSHFIELD, WISCONSIN

Sponsored by the Marshfield Area ARS. Second Saturday every other month, at St. Joseph Hospital, School of Nursing entrance. Room 124. St. Joseph Ave., Marshfield, WI. Walk-ins Welcome. Contact Walter Friant, WBOKIN, 2310 Wallonnie Dr., Marshfield, WI 54449. (715) 387-3870

# RACINE, WISCONSIN - ARRL/VEC

SATURDAY, MAY 22, 1993

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walkins are permitted.

May 22 exams given during the "Big Boy Toy Show", Racine Festival. Exams will be held at the United Methodist Church, 745 Main St., Racine, WI, which is only a short distance from the show. Walkins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

# TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

# MEDFORD, WI (ARRL/VEC)

The Taylor County Area ARC with help from the Tomahawk VE team, will sponsor license exams on Saturday, May 1, 1993. Registration will start at 8:30 a.m. Exams will be held in the Multi-Purpose building located at the Taylor County Fairgrounds, in Medford, WI. All classes of exams will be given. From intersection of highways 13 and 64, go east on 64 and enter second driveway on the north side of the road. Watch for the sign at the driveway entrance. The multi-purpose building is yellow. Walkins accepted but advance reservation appreciated. Contact: Greg Garner, WA9W, (715) 453-7096 or Mike, N9GHZ, (715) 223-3996. Leave your name, phone no. and exam element(s) you want.

# DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on June 12, Aug. 21 and Nov. 20 in 1993.

Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Mike Jozefowicz, NSOU, 2735 Hickory Hill, Dubuque, IA 52001. Or call Mike at 319-582-8563. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Arthur A. Evans, KA9KLZ

213 N Jefferson St.

Cuba City, WI 53807-1558 - (608)-744-2704

# Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The March 18, 1993 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:31 p.m. by Bob Sauvan, WT9Q.

The minutes of the last meeting, as published in the BSSS, were accepted.

Jim Decker, WB9UQT gave the treasurers report.

OLD BUSINESS: None.

NEW BUSINESS: Duane Grotophorst, KA9HKL, and Bill Klinkner, N9KXX, gave an update on the classes for the codeless technician class license. The twice weekly classes began Thursday, February 25th and have been held in both the Baraboo and Sauk City area.

Club Vice president Bill Klinkner outlined the programs for the remainder of the year. These programs follow the regularly scheduled business meeting with the exception of the fox hunt.

Bill Klinkner announced that there will be an informational meeting before the next scheduled meeting on April 13, 1993 at 7:00 p.m. to discuss the possibility/feasibility of a medium coverage area two meter repeater.

Pete Sweeney, WD9JIB, was the buck-night winner and won four dollars.

The meeting adjourned at 7:55 p.m. and was followed by an excellent presentation by Dave Mullenix, N9LTD, called "Easy Sats - Satellite YOU can hear and work!" Dave mixed humor, facts and visual aides (i.e. his antennas and globe of the world) to make the presentation very interesting. Thank you Dave for making the trip to Baraboo.

Respectfully submitted,  
Raymond J Matlosz, N9MLZ, Secretary

The next meeting will be held Tuesday, April 13, 1993, at the Baraboo Civic Center at 7:30 p.m. in room 14. There will be an information meeting regarding establishing a new two meter repeater in this area at 7:00 p.m. The program scheduled to follow the meeting will be on DX.

# APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team.  
Contact: Larry Siebers, (414) 788-3823

# MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

# RIVER FALLS, WI

Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

# LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (Great Lakes ARC VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Paul K. Dean, WB9HCZ, (815) 987-6754.

# CRESCO, IA (ARRL/VEC)

The CRESCO IOWA ARC will conduct VE Exams: Sunday 18 April 1993 at 1400 Location - Cresco Union Savings Bank Annex Easy to find - 1 block North of the stop light on Hiway 9 and Elm St. This will be an ARRL exam and the code test will be MULTIPLE Choice - cost is \$5.60 The usual means of Identification along with original license and copies of licenses plus any previously passed certification, if any, will be needed. Walk Ins are WELCOME - Coffee and Munches will be available.

# 1993 YTARC PROGRAM SCHEDULE

Apr. 13	DX
May 12	Emergency govt. and Ham Radio
Jun. 13	VHF contesting
Aug. 18	Fox Hunt
Sep. 16	Elections
Oct. 12	VHF and UHF repeaters
Nov. 17	Computers and Packet Radio
Dec. 16	Christmas party

The following members and guests were present for the meeting and program:

L.J. Hemmer, WB9TFJ	Baraboo
Rohbert Hemmer, N9LXX	Baraboo
George Gabay, N9QQR	New Lisbon
Raymond Matlosz, N9MLZ	Reedsburg
Bill Klinkner, N9KXX	Prairie du Sac
Duane Grotophorst, KA9HKL	Loganville
Harold Reif, KA(YQP	Baraboo
Bob Sauvan, WT9Q	Sauk City
Arthur Kleefisch, W9WSS	Baraboo
Thomas Harrison, N9PQJ	Reedsburg
Peter Sweeney, W9JIB	Reedsburg
Harry Mayland, KA9FFT	Baraboo
John Baesmann, N9PQP	Baraboo
Ben Paepke	Prairie du Sac
Jim Decker, WB9UQT	Baraboo
Joe Imilkowski, W9CWD	Fitchburg
Jack Kirner, N9LKZ	Prairie du Sac
Tony Gabel, N9RPQ	Fond du Lac
Ken Ebnetter, K9EN	Portage
Harry Westlund, K9EHJ	Baraboo
Tom Thomson, N9LLF	Elroy
Brian Behnke, KB9HTZ	Baraboo
Jim Paul, N9LKY	Merrimac
William M Timme, N9NNN	Portage
Tom Simonson	Portage
Richard G Wegner, N9ME	North Freedom
Steven Schwoegler, WB9RNL	Wisconsin Dells



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## SWAPFESTS



21<sup>st</sup> ANNUAL MIDWINTER

### SWAPFEST

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**SUNDAY  
JANUARY 10, 1993**

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Robert J. Gremar, N9IAD, Madison  
Douglas Kleiman, KA9LWN, Shawano

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### MADISON SWAPFEST

April 4, 1993

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Forum Building

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Madison, WI 53708-8890 Answer Machine

SOUTH MILWAUKEE AMATEUR RADIO CLUB

### SWAPFEST 93

July 10, 1993  
(Held every July)

American Legion Park  
Shepard Ave. • Oak Creek, WI

(414) 762-3235 Extension 58  
P.O. Box 102 South Milwaukee, WI 53172

### Fox Cities Hamfest

November 7, 1993

Starlite Club, Hwy. 55 north of Kaukauna

#### HAMFEST INFO:

Dan Vanevenhoven, N9LVS  
2410 E. Newberry Ct.  
Appleton, WI 54915  
414-739-5101

#### EXAM INFO:

Larry Siebers, KD9IA  
414-788-3823

### Lakeshore Hamfest & Computer Swapfest

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on Cty Highway R

**Saturday, May 8, 1993**

For more information, call:

Ron, WS9X: 414-793-4733 (Nights)  
Red, N9GHE: 414-684-9097

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15th Annual

### CWRA SWAPFEST

Sunday, June 13, 1993 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA 715-344-2984  
3356 April Lane Stevens Point, WI 54481

EAU CLAIRE AMATEUR RADIO CLUB

### SWAPFEST

July 24, 1993 • 7:30 a.m. - 2 p.m.

Chippewa Falls Fairgrounds

Lis Searing, N9EQR 1129 McKinley Road  
(715) 834-1303 Eau Claire, WI 54701

### ROCKFORD HAMFEST AND COMPUTER SHOW

Sunday, April 18, 1993

Rockford Metro Centre

Tables: \$12.50 and \$10.00  
(After April 1, all tables \$12.00)

Write to: R.A.R.A., P.O. Box 6931, Rockford, IL 61125.  
For more info, call 1-815-399-6995

Ozaukee Radio Club

### 15TH ANNUAL RADIO AND COMPUTER SWAPFEST

Saturday, May 1, 1993

8 a.m. to 1 p.m. • Circle B Recreation Center  
Intersection of Highway 60 and County I  
Exams by Badger Examiners, c/o Gary Sharbuno,  
5119 W. Willow Rd., Brown Deer, WI 53223  
Swapfest sponsored by Ozaukee Radio Club  
11448 N. Laguna Drive • Mequon, WI 53092

Kettle Moraine Radio Amateurs

### SWAPFEST

Sunday, October 10, 1993

Waukesha County Expo Center

Info: KMRA Swapfest P.O. Box 411  
Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

### AUCTION

February 22, 1994 • 7:00 p.m.

American Legion Post 53 • 634 Water Street  
Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC  
Route 1 Box 54

715-665-2374  
Knapp, WI 54749

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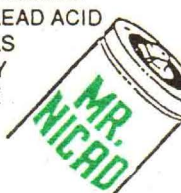
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